

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: P522077

Luminaire Tested: **HLBLV6099FSE010MW-5000K-UNIT**

Issue Date: 5/10/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P522077  
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-5000K-UNIT  
Description: Surface Mount Downlight Fixture, Single Unit  
Light Source: (72) 5000K CCT, 94 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

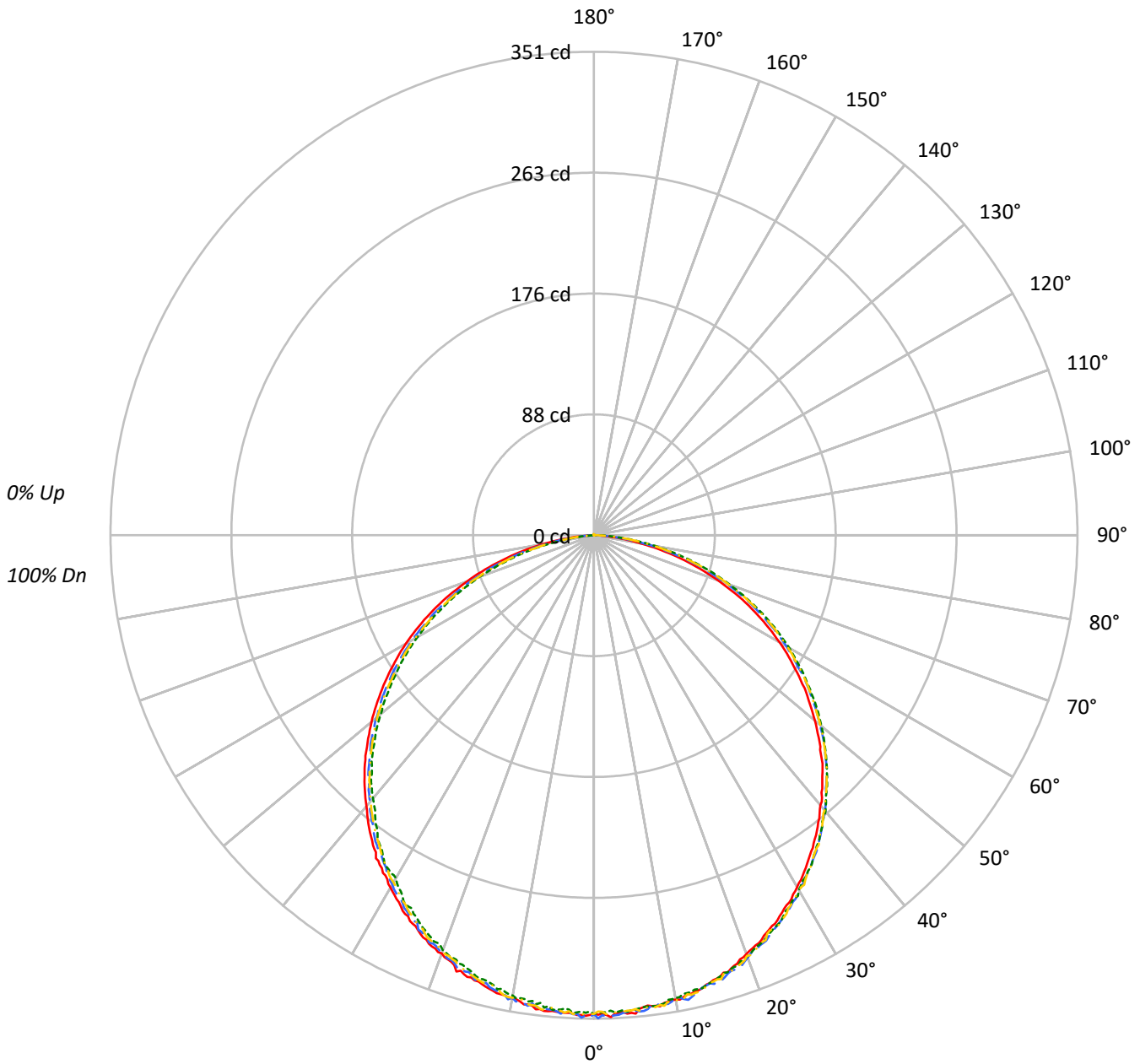
Lumens per Lamp: N/A  
Luminaire Lumens: 1000.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.5m x H: 0m)  
CIE Type: Direct

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: P522077  
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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°	1770	1770	1770	1770
5°	1783	1768	1772	1768
10°	1771	1764	1765	1755
15°	1763	1767	1765	1747
20°	1753	1764	1752	1739
25°	1749	1759	1749	1717
30°	1735	1750	1737	1691
35°	1722	1742	1728	1692
40°	1701	1739	1709	1659
45°	1690	1723	1693	1641
50°	1659	1708	1670	1601
55°	1628	1687	1642	1557
60°	1587	1668	1607	1506
65°	1523	1627	1550	1427
70°	1430	1567	1459	1315
75°	1281	1478	1332	1135
80°	1044	1329	1129	848
85°	660	1110	783	397



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.9	3.3
10°-20°	94.3	9.4
20°-30°	143.1	14.3
30°-40°	173.1	17.3
40°-50°	180.5	18.0
50°-60°	164.1	16.4
60°-70°	125.7	12.6
70°-80°	70.2	7.0
80°-90°	15.8	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°	270.3	27.0
0°-40°	443.3	44.3
0°-60°	787.9	78.8
0°-90°	999.6	100.0
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	1000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	348	348	348	348	348	
5°	349	346	347	346	349	33
15°	334	335	335	331	334	95
25°	311	313	311	306	311	143
35°	277	280	278	272	277	173
45°	235	239	235	228	235	180
55°	183	190	185	175	183	164
65°	126	135	129	118	126	125
75°	65	75	68	58	65	69
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6
0.5°	348.2	348.6	350.8	347.6	346.6	346.3	345.7	348.1	348.4	346.7	350.0
1°	347.6	348.2	348.5	346.3	346.6	347.5	346.0	346.8	349.0	349.1	348.7
1.5°	348.4	349.5	349.5	347.4	346.2	347.7	347.9	347.5	348.4	347.9	350.3
2°	350.1	351.7	349.3	349.6	345.4	348.0	347.7	347.5	348.6	347.5	347.7
2.5°	347.7	350.3	348.8	348.9	346.6	347.4	346.9	348.4	347.7	347.5	348.0
3°	347.5	348.1	348.6	348.6	346.3	348.0	346.5	348.1	347.2	347.9	347.0
3.5°	346.9	346.8	347.3	347.3	345.5	346.3	346.6	347.7	347.3	348.8	347.2
4°	348.1	347.7	347.0	347.7	346.8	347.6	346.1	346.7	347.2	348.5	348.1
4.5°	347.9	346.6	348.1	347.4	345.8	346.9	346.0	346.2	347.1	346.7	346.7
5°	348.7	346.2	346.5	347.4	345.8	346.5	345.3	345.9	346.6	345.8	346.0
5.5°	345.4	345.1	347.3	346.3	345.0	346.5	346.9	346.5	347.2	347.1	345.8
6°	344.5	346.0	347.3	346.2	344.6	345.8	347.5	346.8	347.3	346.3	345.7
6.5°	343.6	346.1	346.2	346.6	344.2	346.5	344.5	344.4	346.2	342.8	346.1
7°	344.5	346.0	343.7	346.5	344.4	346.3	346.0	344.5	346.7	344.5	344.8
7.5°	344.6	345.1	343.0	344.5	344.8	343.3	345.3	344.5	344.4	343.3	342.8
8°	345.4	344.5	344.7	345.6	344.1	343.1	344.5	344.1	344.1	342.4	345.0
8.5°	343.4	343.0	344.2	345.2	344.0	341.8	345.4	343.0	344.4	343.6	343.7
9°	342.9	341.7	344.5	344.1	341.5	343.7	343.2	343.2	342.8	342.3	342.6
9.5°	342.2	342.4	343.3	343.2	341.7	344.1	344.2	341.6	341.6	342.2	343.3
10°	342.4	343.3	341.2	343.4	341.1	341.7	343.4	342.2	341.3	341.5	340.9
10.5°	342.8	341.8	341.4	343.7	341.1	342.8	341.1	340.9	341.1	340.0	342.7
11°	341.5	340.0	343.0	341.4	339.3	341.6	342.4	341.5	340.2	339.6	339.9
11.5°	340.2	340.3	344.2	340.5	339.3	341.5	340.1	340.0	340.0	340.7	338.8
12°	340.3	339.4	342.4	341.7	339.1	340.0	341.1	338.7	339.8	336.5	338.2
12.5°	339.5	339.6	341.0	340.0	337.8	340.0	340.4	338.1	338.7	337.2	337.6
13°	338.9	339.5	339.4	339.3	338.1	337.6	340.2	337.0	337.9	336.9	336.8
13.5°	338.0	339.7	337.6	338.6	338.1	336.8	338.2	337.2	337.1	335.5	334.5
14°	336.4	338.4	337.0	337.1	336.8	336.9	338.2	335.7	336.0	335.0	335.0
14.5°	335.9	335.7	336.1	336.1	335.8	336.8	335.9	335.3	334.6	334.2	334.3
15°	334.4	334.0	337.3	334.5	335.2	335.5	335.5	334.2	334.7	332.9	334.0
15.5°	333.9	332.8	336.0	334.6	334.2	334.4	334.7	332.7	333.1	332.3	331.6
16°	333.1	332.8	336.2	334.3	333.0	333.8	335.2	332.7	333.6	331.3	329.9
16.5°	331.2	331.8	334.6	333.6	331.6	332.7	331.9	332.1	332.5	330.2	330.4
17°	332.1	331.8	332.7	332.6	331.8	332.5	331.7	331.8	330.7	329.8	328.6
17.5°	330.1	332.3	331.5	330.9	330.2	331.2	331.7	328.9	332.1	328.9	329.6
18°	328.7	330.1	331.6	330.6	329.5	329.7	331.1	329.6	328.2	328.0	327.1
18.5°	328.1	327.7	330.8	329.0	329.7	329.2	329.9	328.0	326.6	326.6	325.3
19°	325.6	326.4	330.1	327.9	327.2	327.9	328.8	326.4	325.7	325.8	325.3
19.5°	324.9	326.4	328.2	326.9	327.1	326.5	327.5	325.7	325.1	324.8	323.9
20°	323.5	325.2	326.4	325.8	325.4	325.5	324.9	324.9	323.2	323.0	323.2
20.5°	322.3	321.6	324.4	324.8	324.3	324.3	325.3	323.1	323.1	322.4	321.3
21°	321.3	321.6	323.1	323.5	322.7	322.7	324.1	322.0	321.4	319.9	319.5
21.5°	320.0	322.4	323.0	322.4	321.2	322.3	322.4	320.8	320.9	318.9	318.7
22°	319.5	320.2	321.3	322.2	320.8	320.5	321.5	319.4	319.9	318.5	319.1



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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°	318.1	318.7	320.5	320.3	319.7	318.9	319.7	318.5	317.9	317.1	316.6
23°	315.8	318.6	319.9	320.1	318.3	318.8	319.2	318.3	317.2	315.3	315.4
23.5°	314.6	316.8	317.9	318.1	316.4	316.6	315.4	316.7	315.7	314.4	313.9
24°	313.3	315.1	316.5	317.0	315.4	315.4	314.2	314.9	314.0	312.6	313.4
24.5°	311.7	314.0	314.6	315.5	314.0	314.8	314.1	313.8	312.0	311.0	309.2
25°	311.2	312.2	313.5	313.9	313.1	313.1	313.6	311.2	311.2	309.6	309.1
25.5°	309.6	310.7	312.1	313.1	312.2	311.4	313.0	310.6	310.4	308.5	307.6
26°	307.6	309.2	310.8	312.2	310.7	310.6	310.8	308.8	307.7	307.3	306.3
26.5°	306.1	308.3	309.2	310.1	308.6	309.6	309.6	308.1	307.3	306.6	304.8
27°	304.3	306.4	308.0	308.1	306.3	307.9	308.3	305.9	305.9	304.0	303.6
27.5°	302.8	304.2	306.5	306.9	305.4	306.5	305.4	304.1	303.7	302.2	300.9
28°	302.0	303.6	304.7	305.3	303.9	304.3	304.3	302.8	301.6	300.6	299.2
28.5°	300.4	301.0	302.8	303.6	302.0	303.0	302.7	301.0	300.5	299.5	298.3
29°	298.1	299.3	301.8	301.9	300.9	301.6	300.9	300.4	298.7	297.5	296.6
29.5°	296.8	298.5	300.1	299.7	300.8	299.8	299.3	297.0	297.1	294.6	295.1
30°	295.0	296.8	298.4	298.9	297.6	298.1	298.0	296.2	295.3	293.4	292.6
30.5°	293.2	294.4	296.4	297.1	295.7	296.6	296.5	295.2	293.9	292.1	291.2
31°	291.9	293.0	294.7	294.6	293.5	295.3	296.2	293.2	291.4	290.5	289.3
31.5°	290.0	291.4	292.7	292.7	292.5	293.5	293.6	289.9	289.7	288.5	287.8
32°	288.0	289.1	291.1	291.4	291.3	291.2	291.4	289.4	289.1	286.7	284.8
32.5°	286.2	287.6	289.6	289.8	289.2	290.0	288.8	287.7	286.6	285.2	283.1
33°	284.3	285.6	287.7	288.3	288.2	288.6	288.2	286.3	285.4	282.8	281.3
33.5°	282.4	284.6	286.2	286.4	286.5	286.5	286.4	283.8	283.5	281.2	279.3
34°	280.3	282.5	284.3	285.0	284.3	283.8	284.0	282.1	283.1	279.5	278.1
34.5°	278.6	280.7	282.5	282.4	281.8	282.2	282.0	280.9	279.3	277.8	276.8
35°	277.0	278.5	281.1	280.9	280.2	280.6	280.2	279.2	278.0	276.0	274.7
35.5°	274.7	276.5	279.5	279.2	278.2	278.9	278.6	277.0	276.4	273.4	273.1
36°	272.8	274.4	277.3	277.4	276.7	277.1	277.8	275.1	273.9	271.8	270.9
36.5°	271.0	272.5	274.9	275.3	275.0	274.9	274.6	273.1	272.1	270.3	268.8
37°	268.8	270.5	273.1	273.2	272.6	273.1	272.4	271.2	270.3	268.7	266.4
37.5°	266.9	268.3	271.1	270.8	270.7	270.9	271.4	269.2	268.1	266.3	264.0
38°	264.5	266.4	269.0	269.1	269.0	269.0	268.8	267.2	265.9	264.2	262.1
38.5°	262.7	264.5	267.2	267.0	266.1	267.2	266.7	265.0	263.7	262.2	259.8
39°	260.4	262.4	264.9	265.2	264.7	265.0	264.4	263.1	261.6	258.9	258.1
39.5°	257.7	260.6	262.6	262.7	263.3	263.0	261.9	261.0	259.1	257.8	255.9
40°	255.9	258.4	260.9	260.7	261.5	260.7	260.5	258.9	257.0	255.7	253.0
40.5°	254.5	256.2	259.0	258.4	259.3	258.8	258.3	256.8	255.0	252.9	250.9
41°	252.4	253.8	256.3	256.6	256.9	256.7	256.0	254.5	253.0	250.3	248.7
41.5°	249.3	251.7	254.3	254.6	253.9	254.6	254.0	252.2	250.7	248.5	246.9
42°	247.6	249.4	252.0	252.4	252.2	252.8	251.9	250.1	248.6	246.4	243.9
42.5°	245.3	246.9	249.1	250.4	250.3	250.4	249.8	247.6	246.5	244.0	242.5
43°	243.2	245.2	247.4	248.0	248.1	248.0	247.6	245.7	244.3	242.0	240.3
43.5°	240.9	243.3	245.2	245.9	245.9	245.9	245.4	243.5	242.0	239.7	237.9
44°	238.9	240.9	243.1	243.7	243.6	243.7	243.2	241.3	239.7	237.2	235.4
44.5°	236.7	238.5	240.7	241.6	241.4	241.7	241.1	239.1	237.5	234.9	232.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	234.6	236.1	238.6	239.1	239.2	239.3	238.8	236.7	235.1	232.8	230.6
45.5°	231.8	233.8	236.6	237.0	236.8	237.0	236.5	234.3	232.7	230.3	228.5
46°	229.0	231.6	233.9	234.7	234.6	234.7	234.1	231.8	230.6	228.0	225.8
46.5°	226.3	229.3	231.6	232.3	232.3	232.3	231.7	229.5	228.0	225.7	223.7
47°	224.9	226.5	229.3	230.0	229.9	230.1	229.3	227.3	225.3	223.2	221.8
47.5°	222.1	224.3	227.0	227.7	227.6	228.1	226.9	224.6	222.9	220.5	219.0
48°	219.7	222.0	224.9	225.6	225.1	225.6	224.4	222.2	220.6	217.9	216.4
48.5°	217.0	219.9	222.0	222.9	223.0	222.9	222.0	219.9	218.0	215.2	213.8
49°	214.5	217.0	219.7	220.7	220.6	220.3	219.7	217.5	215.6	213.1	211.4
49.5°	212.1	214.3	216.8	218.4	218.0	217.8	217.3	215.1	213.1	210.7	208.8
50°	209.4	212.0	214.5	215.6	215.6	215.4	214.7	212.8	210.8	208.3	206.2
50.5°	206.8	209.3	211.6	212.6	213.0	212.8	212.1	210.0	208.3	205.7	203.4
51°	204.2	206.8	209.2	210.4	210.6	210.7	209.3	207.8	205.8	203.0	201.3
51.5°	201.6	204.2	206.8	207.9	208.2	208.4	206.6	205.5	203.3	200.4	199.0
52°	199.0	201.4	204.3	205.5	205.8	205.7	204.2	202.8	200.7	197.7	196.1
52.5°	196.4	199.2	201.6	202.9	203.3	203.1	201.8	199.8	198.1	195.2	193.9
53°	194.0	196.8	199.1	200.2	200.7	200.4	199.3	197.4	195.3	192.6	190.9
53.5°	191.5	193.9	196.2	197.3	197.9	197.8	196.8	194.8	192.7	190.1	188.4
54°	189.1	191.2	193.8	194.5	194.9	195.4	194.2	192.7	190.1	187.6	185.6
54.5°	185.9	188.6	191.4	192.1	192.7	193.0	191.7	189.9	187.6	185.0	182.7
55°	183.3	186.1	188.8	189.6	190.0	190.4	189.1	187.0	184.9	182.3	180.3
55.5°	180.8	183.4	186.2	186.7	187.4	187.8	186.4	184.4	182.0	179.6	177.7
56°	177.8	180.8	183.7	184.1	184.8	185.0	183.8	181.5	179.5	176.9	175.1
56.5°	174.9	178.0	180.6	181.6	182.5	182.5	181.1	179.2	176.8	174.3	172.0
57°	172.2	175.1	177.3	178.8	179.9	179.8	178.2	176.3	174.0	171.5	169.5
57.5°	169.6	172.2	174.8	175.9	177.1	177.1	175.5	173.9	171.3	168.9	166.7
58°	166.8	169.5	172.2	173.2	174.3	174.2	172.7	170.9	168.7	165.9	163.8
58.5°	164.2	167.0	169.6	170.5	171.6	171.4	170.0	168.1	166.0	163.0	161.0
59°	161.3	164.0	166.7	168.2	168.9	168.7	167.7	165.1	163.3	160.1	158.0
59.5°	158.4	161.2	163.9	165.1	166.5	166.1	165.1	162.5	160.5	157.3	155.2
60°	155.8	158.3	161.2	162.5	163.8	163.3	162.3	159.4	157.8	154.6	152.1
60.5°	152.6	155.8	158.4	159.7	160.9	160.7	159.5	157.0	155.0	151.8	149.6
61°	149.9	152.8	155.6	156.9	158.0	157.8	156.6	154.1	152.1	148.9	146.5
61.5°	147.1	150.0	152.5	154.0	155.2	155.1	153.7	151.6	149.2	146.0	143.7
62°	144.2	147.0	149.8	151.1	152.5	152.3	151.0	148.5	146.3	143.1	140.5
62.5°	141.1	144.1	147.0	148.4	149.7	149.5	148.2	145.7	143.4	140.3	137.6
63°	138.2	141.1	144.0	145.6	146.8	146.7	145.3	142.5	140.5	137.4	134.5
63.5°	135.3	138.2	141.0	142.4	143.8	143.8	142.5	139.8	137.6	134.3	131.7
64°	132.3	135.1	138.1	139.3	141.0	140.8	139.6	136.6	134.4	131.3	129.1
64.5°	129.4	132.4	135.0	136.7	138.0	137.9	136.7	133.9	131.5	128.5	125.9
65°	126.4	129.5	132.0	133.9	135.0	134.8	133.8	131.0	128.6	125.7	122.7
65.5°	123.5	126.7	129.3	131.1	132.1	132.0	130.8	128.0	125.6	122.7	119.7
66°	120.5	123.7	126.4	127.9	129.2	128.7	127.8	124.9	122.6	119.5	116.8
66.5°	117.6	120.4	123.4	124.9	126.2	126.1	124.8	122.0	119.5	116.5	113.8
67°	114.8	117.7	120.4	121.8	123.2	123.0	121.8	118.9	116.5	113.6	110.7





TEST NUMBER: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	111.3	114.7	117.6	118.6	120.1	120.0	118.9	116.0	113.5	110.6	107.7
68°	108.1	111.4	114.8	116.1	117.3	117.1	115.6	112.8	110.4	107.5	104.7
68.5°	105.0	108.3	111.3	112.8	114.2	114.1	112.7	109.8	107.2	104.2	101.6
69°	102.0	105.2	108.2	109.5	111.1	111.1	109.6	106.8	104.2	101.2	98.5
69.5°	98.9	102.1	105.1	106.5	108.2	108.1	106.6	103.7	101.1	98.1	95.7
70°	96.0	99.0	102.1	103.6	105.2	105.0	103.6	100.8	98.0	95.3	92.5
70.5°	93.1	96.0	99.0	100.5	102.0	102.1	100.5	97.8	95.2	92.2	89.5
71°	89.9	92.8	96.0	97.4	98.9	98.9	97.5	94.9	92.1	89.1	86.4
71.5°	86.8	90.1	92.8	94.6	95.9	95.9	94.5	91.8	89.1	86.0	83.5
72°	83.6	86.8	89.7	91.6	93.1	93.0	91.5	88.8	85.9	83.0	80.5
72.5°	80.6	83.9	86.5	88.4	90.1	89.9	88.3	85.8	82.9	80.0	77.5
73°	77.5	80.7	83.4	85.3	87.2	86.8	85.1	82.6	79.6	77.1	74.3
73.5°	74.4	77.6	80.5	82.3	83.9	83.7	82.1	79.7	76.8	73.6	71.2
74°	71.5	74.4	77.6	79.1	81.0	80.8	79.1	76.5	73.7	70.8	68.1
74.5°	68.2	71.4	74.3	76.1	78.0	77.8	76.1	73.5	70.7	67.7	64.9
75°	65.1	68.3	71.2	73.1	75.1	74.8	73.1	70.6	67.7	64.6	61.9
75.5°	62.0	65.2	68.1	70.2	72.0	71.7	70.2	67.6	64.7	61.7	59.1
76°	59.2	62.1	65.0	66.9	69.0	68.6	67.2	64.5	61.7	58.8	56.1
76.5°	56.1	59.3	61.9	64.2	65.9	65.7	64.0	61.5	58.8	55.7	53.1
77°	52.9	56.2	59.1	61.0	62.9	62.5	61.0	58.7	55.9	52.9	50.1
77.5°	50.3	53.2	56.1	57.9	60.0	59.6	58.2	55.7	53.0	49.9	47.3
78°	47.2	50.3	53.1	55.0	57.0	56.6	55.2	52.7	50.0	47.0	44.4
78.5°	44.4	47.3	50.1	52.0	54.1	53.6	52.2	49.8	47.0	44.2	41.6
79°	41.5	44.5	47.1	49.0	51.0	50.7	49.3	46.9	44.1	41.2	38.7
79.5°	38.5	41.5	44.3	46.0	48.0	47.7	46.4	44.1	41.3	38.4	35.9
80°	35.6	38.7	41.6	43.1	45.3	45.0	43.6	41.2	38.5	35.7	33.1
80.5°	33.0	35.8	38.5	40.2	42.4	42.1	40.7	38.4	35.7	32.9	30.5
81°	30.1	33.0	35.6	37.4	39.7	39.4	37.9	35.7	33.0	30.2	27.8
81.5°	27.5	30.4	32.9	34.6	36.9	36.6	35.1	32.9	30.3	27.4	25.1
82°	24.9	27.7	30.2	31.8	34.2	33.7	32.5	30.3	27.6	24.9	22.8
82.5°	22.6	25.0	27.6	29.1	31.4	31.2	29.9	27.6	25.0	22.7	20.4
83°	20.1	22.8	24.9	26.5	28.7	28.6	27.2	25.1	22.8	20.2	18.2
83.5°	17.7	20.3	22.6	24.1	26.2	25.9	24.6	22.7	20.2	17.8	15.7
84°	15.5	17.8	20.1	21.7	23.6	23.4	22.4	20.4	17.9	15.6	13.5
84.5°	13.3	15.6	17.7	19.2	21.4	21.3	19.9	17.9	15.6	13.4	11.4
85°	11.3	13.5	15.5	16.9	19.0	18.9	17.5	15.7	13.4	11.3	9.5
85.5°	9.5	11.4	13.3	14.6	16.8	16.5	15.4	13.4	11.3	9.2	7.5
86°	7.5	9.5	11.2	12.6	14.5	14.3	13.1	11.4	9.3	7.4	5.8
86.5°	5.9	7.6	9.6	10.5	12.4	12.0	11.1	9.3	7.5	5.8	4.3
87°	4.4	5.9	7.5	8.7	10.3	10.1	9.0	7.5	5.8	4.2	2.9
87.5°	3.0	4.5	5.9	7.1	8.6	8.4	7.3	5.8	4.3	2.8	1.7
88°	1.9	3.2	4.4	5.4	6.7	6.6	5.6	4.3	2.9	1.7	0.8
88.5°	1.0	2.0	3.0	3.9	5.2	4.8	4.2	2.9	1.6	0.6	0.0
89°	0.3	1.1	1.9	2.8	3.5	3.3	2.6	1.8	0.6	0.0	0.0
89.5°	0.0	0.4	1.0	1.7	2.1	2.0	1.4	0.8	0.0	0.0	0.0



TEST NUMBER: P522077  
 CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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	0.9	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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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	0.8
165°	0.1	0.6	0.1	0.2	0.0	0.4	0.5	0.2	0.2	0.1	0.8
165.5°	0.1	0.8	0.1	0.2	0.0	0.4	0.5	0.2	0.2	0.1	0.6
166°	0.1	0.8	0.1	0.2	0.0	0.4	0.5	0.2	0.2	0.1	0.6
166.5°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
167°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
167.5°	0.1	0.8	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	0.8	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	0.8	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	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.3	0.6
173.5°	0.1	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.2	0.6
174°	0.1	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.2	0.6
174.5°	0.1	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
175°	0.1	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
175.5°	0.1	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
176°	0.1	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
176.5°	0.1	0.8	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
177°	0.1	0.8	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
177.5°	0.1	0.8	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
178°	0.1	0.8	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
178.5°	0.1	0.8	0.1	0.2	0.0	0.5	0.8	0.2	0.2	0.1	0.6
179°	0.1	0.6	0.1	0.2	0.0	0.5	0.8	0.2	0.2	0.1	0.6
179.5°	0.1	0.6	0.1	0.2	0.0	0.5	0.8	0.2	0.2	0.1	0.6



TEST NUMBER: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	347.6	347.6	347.6	347.6	347.6	347.6
0.5°	347.2	345.8	345.8	347.7	346.2	348.2
1°	347.1	346.7	346.0	347.4	347.1	347.6
1.5°	346.0	345.8	347.1	348.0	348.0	348.4
2°	347.0	346.5	345.9	347.1	348.5	350.1
2.5°	345.8	347.2	345.1	348.0	347.9	347.7
3°	346.6	344.8	345.6	346.0	347.4	347.5
3.5°	346.5	344.3	346.1	347.1	346.2	346.9
4°	345.8	345.2	344.3	346.2	345.0	348.1
4.5°	345.4	345.4	345.4	345.5	345.5	347.9
5°	345.9	345.9	346.5	344.3	345.6	348.7
5.5°	345.4	343.4	344.7	345.2	343.6	345.4
6°	342.8	345.0	345.0	346.7	343.7	344.5
6.5°	344.3	341.7	343.7	346.1	343.7	343.6
7°	344.7	343.1	342.8	344.2	345.2	344.5
7.5°	343.4	341.1	343.3	344.0	345.9	344.6
8°	343.6	341.9	342.8	344.1	343.4	345.4
8.5°	342.6	340.4	341.6	340.8	342.5	343.4
9°	341.4	340.4	341.8	341.4	339.5	342.9
9.5°	338.9	341.1	338.8	341.4	341.4	342.2
10°	340.8	339.4	338.3	340.9	340.3	342.4
10.5°	338.7	338.8	340.3	341.1	340.2	342.8
11°	338.8	337.8	338.4	340.4	340.2	341.5
11.5°	337.8	336.1	338.1	339.1	338.3	340.2
12°	336.6	337.0	337.9	336.6	336.6	340.3
12.5°	336.1	334.9	336.6	335.0	335.1	339.5
13°	335.9	333.8	335.5	335.0	335.0	338.9
13.5°	333.7	332.9	333.6	335.5	334.9	338.0
14°	333.9	332.4	332.8	334.6	334.2	336.4
14.5°	332.1	332.5	332.5	333.6	334.1	335.9
15°	331.7	331.3	330.9	332.5	333.6	334.4
15.5°	330.7	329.6	330.3	331.6	332.7	333.9
16°	330.6	328.3	328.8	330.7	329.9	333.1
16.5°	329.6	327.4	327.4	329.4	329.5	331.2
17°	327.5	326.0	327.0	328.5	328.9	332.1
17.5°	327.3	325.9	326.5	327.4	327.0	330.1
18°	325.8	323.9	325.4	325.2	326.3	328.7
18.5°	324.3	323.4	323.9	324.5	325.2	328.1
19°	325.0	323.0	323.0	323.2	324.3	325.6
19.5°	322.7	321.6	321.3	322.9	322.6	324.9
20°	321.3	320.9	320.9	321.6	322.5	323.5
20.5°	319.6	318.1	320.5	319.6	320.9	322.3
21°	318.0	317.1	318.1	319.3	320.0	321.3
21.5°	316.4	317.0	317.4	318.0	318.5	320.0
22°	316.5	315.3	314.9	317.0	316.6	319.5



TEST NUMBER: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	315.1	313.9	313.4	316.2	315.1	318.1
23°	313.6	312.2	312.8	314.1	314.5	315.8
23.5°	312.0	311.1	311.9	311.7	313.1	314.6
24°	309.0	309.3	310.7	311.4	312.3	313.3
24.5°	307.2	307.6	309.1	309.7	309.7	311.7
25°	306.5	305.6	306.8	308.1	308.2	311.2
25.5°	307.1	304.5	305.1	306.3	306.9	309.6
26°	304.9	301.4	303.8	305.0	305.5	307.6
26.5°	303.4	301.4	301.9	303.4	304.8	306.1
27°	301.2	301.0	300.4	301.2	303.6	304.3
27.5°	299.6	299.4	298.6	299.8	301.4	302.8
28°	297.7	296.4	297.5	298.1	299.4	302.0
28.5°	296.3	294.1	295.7	296.5	298.0	300.4
29°	294.4	292.7	293.3	294.2	296.0	298.1
29.5°	292.7	290.3	291.8	292.6	293.7	296.8
30°	290.9	287.5	290.6	291.1	292.2	295.0
30.5°	289.3	286.5	288.2	289.7	290.3	293.2
31°	287.2	286.3	286.7	288.3	289.0	291.9
31.5°	285.0	284.8	284.6	286.2	286.6	290.0
32°	283.3	284.0	282.0	284.3	285.1	288.0
32.5°	281.3	282.9	280.3	282.5	283.3	286.2
33°	279.7	280.3	278.5	280.5	281.4	284.3
33.5°	278.1	277.8	276.8	279.1	279.6	282.4
34°	276.4	275.5	275.0	276.9	277.5	280.3
34.5°	274.7	273.8	273.2	274.7	275.6	278.6
35°	272.5	272.2	271.1	272.7	273.7	277.0
35.5°	270.7	270.4	269.2	270.8	271.4	274.7
36°	268.5	267.4	267.3	268.9	269.4	272.8
36.5°	266.6	264.9	265.4	267.2	267.3	271.0
37°	264.5	263.0	263.5	264.9	265.4	268.8
37.5°	262.5	260.7	261.7	263.0	263.3	266.9
38°	260.5	257.9	259.6	260.9	261.2	264.5
38.5°	258.2	255.1	257.5	258.8	259.4	262.7
39°	255.8	253.3	255.2	256.8	257.2	260.4
39.5°	253.8	251.4	253.2	254.4	255.4	257.7
40°	251.4	249.5	250.7	252.5	253.3	255.9
40.5°	249.1	247.7	248.2	250.1	251.1	254.5
41°	247.1	245.8	246.1	247.8	249.2	252.4
41.5°	245.1	243.2	243.6	245.9	246.8	249.3
42°	242.6	241.8	241.5	243.3	244.7	247.6
42.5°	240.6	239.4	239.1	241.5	242.5	245.3
43°	238.4	236.5	236.6	238.6	240.1	243.2
43.5°	236.2	234.1	234.4	236.7	237.9	240.9
44°	233.9	232.0	232.5	233.9	235.8	238.9
44.5°	231.6	230.4	229.6	231.6	233.3	236.7





TEST NUMBER: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	229.2	227.8	227.3	229.8	231.2	234.6
45.5°	226.5	225.1	224.9	227.5	228.5	231.8
46°	224.3	222.7	222.8	224.7	226.3	229.0
46.5°	221.9	219.8	220.6	222.2	223.8	226.3
47°	219.1	217.5	218.0	219.9	221.4	224.9
47.5°	216.9	215.1	215.8	217.4	218.8	222.1
48°	214.3	213.0	213.1	214.9	216.4	219.7
48.5°	211.8	210.4	210.3	212.7	213.7	217.0
49°	209.2	207.6	207.8	210.2	211.3	214.5
49.5°	207.0	204.7	205.7	207.6	209.2	212.1
50°	204.3	202.1	202.9	205.3	206.5	209.4
50.5°	201.7	199.4	200.4	202.5	204.0	206.8
51°	198.9	197.4	198.2	199.9	201.4	204.2
51.5°	196.2	194.8	195.3	197.1	198.8	201.6
52°	193.6	192.0	192.5	194.4	196.2	199.0
52.5°	191.2	189.0	189.8	191.9	193.5	196.4
53°	188.6	186.1	187.4	189.2	190.9	194.0
53.5°	185.9	183.7	184.8	186.3	188.0	191.5
54°	183.3	181.2	181.8	183.5	184.8	189.1
54.5°	180.8	178.3	179.1	180.8	182.8	185.9
55°	178.0	175.3	176.2	178.2	179.8	183.3
55.5°	175.1	173.0	173.7	175.5	176.9	180.8
56°	172.5	170.3	171.0	172.7	174.3	177.8
56.5°	169.8	167.9	168.7	170.0	171.6	174.9
57°	167.1	165.0	165.5	167.2	169.4	172.2
57.5°	164.4	162.1	162.8	164.4	166.8	169.6
58°	161.6	159.4	159.9	161.6	163.9	166.8
58.5°	158.8	156.7	157.1	158.9	161.0	164.2
59°	156.0	153.8	154.0	156.0	158.0	161.3
59.5°	153.2	150.9	151.3	153.1	155.3	158.4
60°	150.3	147.9	148.3	150.3	152.3	155.8
60.5°	147.4	144.9	145.6	147.5	149.4	152.6
61°	144.5	142.0	142.6	144.3	146.7	149.9
61.5°	141.5	139.3	139.7	141.4	143.6	147.1
62°	138.7	136.3	137.0	138.5	140.6	144.2
62.5°	135.9	133.3	134.0	135.6	137.6	141.1
63°	132.8	130.5	131.0	132.8	134.8	138.2
63.5°	129.9	127.7	128.0	129.8	131.9	135.3
64°	126.9	124.5	124.9	126.8	128.8	132.3
64.5°	123.8	121.3	122.1	123.8	126.1	129.4
65°	120.9	118.4	119.1	120.9	123.0	126.4
65.5°	117.6	115.4	116.0	118.0	120.1	123.5
66°	114.7	112.6	113.0	114.8	117.0	120.5
66.5°	111.5	109.5	110.0	111.5	114.2	117.6
67°	108.5	106.4	107.0	108.9	111.0	114.8



TEST NUMBER: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	105.4	103.4	103.9	105.5	107.9	111.3
68°	102.4	100.5	100.6	102.5	104.9	108.1
68.5°	99.3	97.1	97.8	99.4	101.7	105.0
69°	96.3	94.2	94.7	96.6	98.5	102.0
69.5°	93.3	91.3	91.6	93.6	95.6	98.9
70°	90.3	88.3	88.8	90.3	92.6	96.0
70.5°	87.3	85.1	85.4	87.3	89.4	93.1
71°	84.1	82.1	82.5	84.4	86.4	89.9
71.5°	81.2	79.0	79.2	81.0	83.2	86.8
72°	78.0	75.8	76.1	78.0	80.5	83.6
72.5°	75.0	73.0	73.2	74.8	77.3	80.6
73°	71.9	69.6	70.1	71.7	74.1	77.5
73.5°	68.8	66.6	66.9	68.7	71.4	74.4
74°	65.8	63.8	64.0	65.7	68.1	71.5
74.5°	62.8	60.7	60.7	62.5	64.9	68.2
75°	59.9	57.7	57.9	59.7	61.9	65.1
75.5°	56.8	54.8	55.0	56.5	58.9	62.0
76°	53.9	51.7	51.9	53.5	55.8	59.2
76.5°	50.9	48.8	48.9	50.6	52.8	56.1
77°	48.1	45.9	46.0	47.7	49.9	52.9
77.5°	45.2	42.8	43.2	44.7	47.0	50.3
78°	42.3	40.0	40.2	41.9	44.1	47.2
78.5°	39.4	37.2	37.4	39.0	41.3	44.4
79°	36.8	34.4	34.7	36.2	38.4	41.5
79.5°	34.0	31.6	31.9	33.4	35.6	38.5
80°	31.2	28.9	29.0	30.6	32.7	35.6
80.5°	28.6	26.1	26.4	28.0	30.0	33.0
81°	26.0	23.7	24.1	25.4	27.5	30.1
81.5°	23.5	21.4	21.6	23.0	24.8	27.5
82°	21.2	18.9	19.1	20.5	22.6	24.9
82.5°	18.8	16.5	16.9	18.2	20.1	22.6
83°	16.5	14.5	14.6	15.9	17.6	20.1
83.5°	14.2	12.4	12.6	13.6	15.4	17.7
84°	12.0	10.3	10.5	11.6	13.2	15.5
84.5°	10.1	8.5	8.6	9.7	11.2	13.3
85°	8.2	6.8	6.8	7.7	9.5	11.3
85.5°	6.4	5.3	5.3	6.0	7.4	9.5
86°	4.8	3.8	4.0	4.6	5.8	7.5
86.5°	3.3	2.5	2.7	3.3	4.3	5.9
87°	1.9	1.5	1.6	2.0	3.0	4.4
87.5°	0.9	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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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	0.8	0.2	0.2	0.1
178°	0.1	0.5	0.8	0.2	0.2	0.1
178.5°	0.1	0.5	0.8	0.2	0.2	0.1
179°	0.1	0.5	0.8	0.2	0.2	0.1
179.5°	0.1	0.5	0.8	0.2	0.2	0.1



TEST NUMBER: P522077

CATALOG NUMBER: HLBLV6099FSE010MW-5000K-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)