

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: P473757

Luminaire Tested: **HLB6099BLE40AWH-3000K**

Issue Date: 2/2/2021



**Test Information**

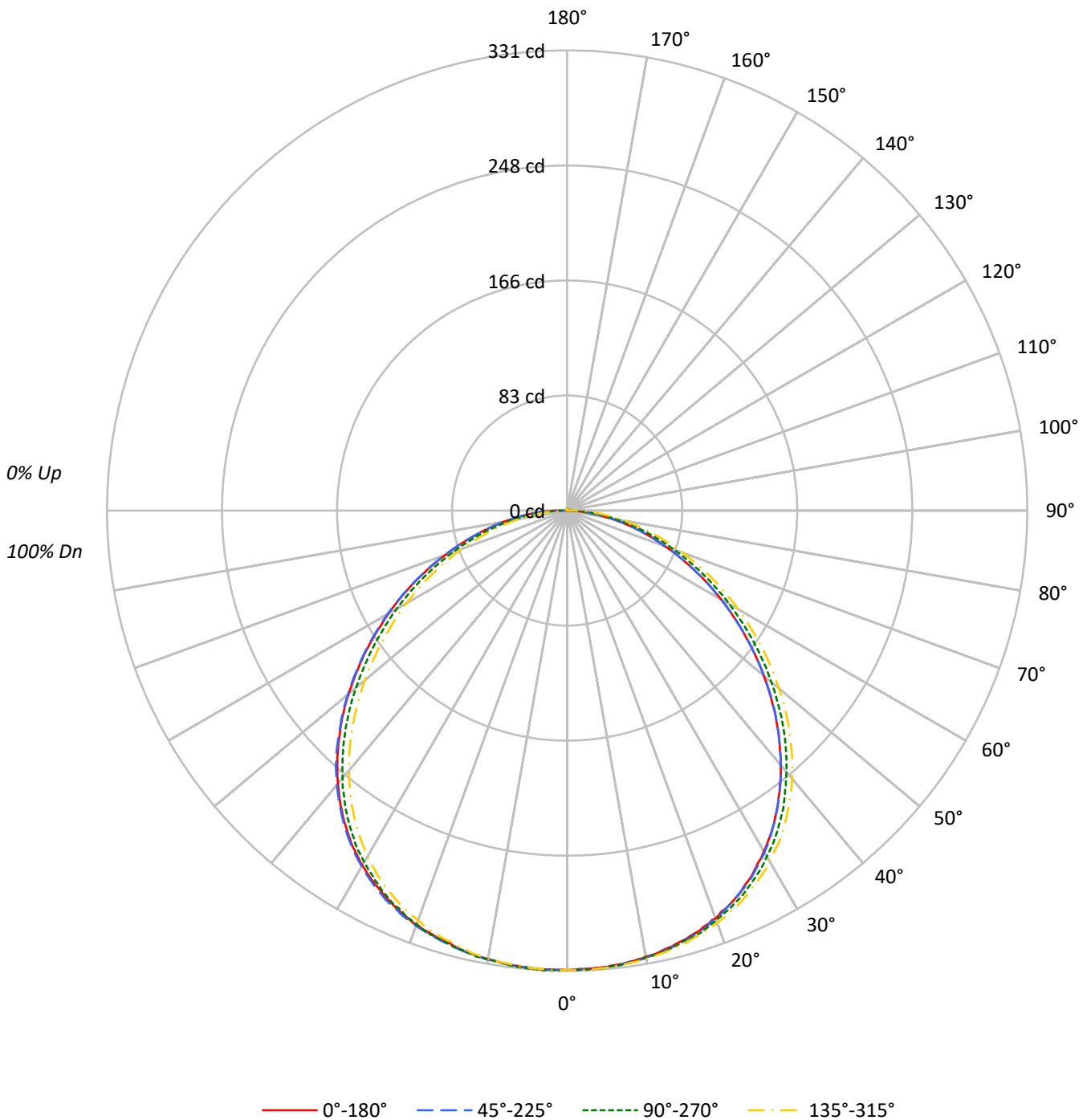
Test Method: LM-79-08  
Report Number: P473757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2008840B001)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/2/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: HLB6099BLE40AWH-3000K  
Description: 6in HALO HOME BLADE  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 951.0 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.38  
Luminous Opening: Circular (Dia: 0.5m x H: 0m)  
CIE Type: Direct  
  
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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CATALOG NUMBER: HLB6099BLE40AWH-3000K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	69	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	42	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	1684	1684	1684	1684
5°	1684	1684	1687	1690
10°	1685	1689	1693	1696
15°	1689	1693	1702	1706
20°	1693	1700	1716	1718
25°	1683	1701	1727	1722
30°	1664	1690	1732	1717
35°	1635	1669	1726	1702
40°	1588	1632	1705	1671
45°	1531	1582	1671	1628
50°	1462	1520	1626	1570
55°	1385	1449	1571	1508
60°	1303	1373	1515	1444
65°	1212	1295	1453	1375
70°	1115	1217	1391	1303
75°	1021	1137	1346	1240
80°	903	1059	1349	1197
85°	707	988	1508	1221



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.4	3.3
10°-20°	91.1	9.6
20°-30°	140.1	14.7
30°-40°	169.1	17.8
40°-50°	171.6	18.0
50°-60°	148.9	15.7
60°-70°	109.7	11.5
70°-80°	64.0	6.7
80°-90°	21.1	2.2
90°-100°	0.8	0.1
100°-110°	0.5	0.1
110°-120°	0.5	0.1
120°-130°	0.5	0.1
130°-140°	0.5	0.1
140°-150°	0.6	0.1
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	262.6	27.6
0°-40°	431.7	45.4
0°-60°	752.1	79.1
0°-90°	946.8	99.6
90°-120°	1.7	0.2
90°-150°	3.3	0.3
90°-180°	4.0	0.4
0°-180°	951.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	331	331	331	331	331	
5°	329	329	330	331	329	31
15°	320	321	323	324	320	90
25°	300	303	307	306	300	138
35°	263	268	278	274	263	164
45°	213	220	232	226	213	164
55°	156	163	177	170	156	140
65°	101	108	121	114	101	100
75°	52	58	68	63	52	55
85°	12	17	26	21	12	14
90°	1	0	8	3	1	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	1
115°	0	0	0	0	0	0
125°	0	0	1	0	0	0
135°	1	1	1	1	1	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	330.6	330.6	330.6	330.6	330.6	330.6	330.6	330.6	330.6	330.6	330.6
0.5°	330.3	330.6	330.6	330.7	330.8	330.3	330.6	330.2	330.3	330.6	330.5
1°	330.3	330.6	330.4	330.6	330.8	330.3	330.6	330.2	330.3	330.6	330.5
1.5°	329.9	330.7	330.5	330.6	330.6	330.3	330.7	330.2	330.3	330.6	330.5
2°	329.9	330.7	330.2	330.5	330.5	330.2	330.7	330.3	330.3	330.6	330.5
2.5°	329.9	330.3	330.2	330.4	330.5	329.9	330.6	330.3	330.3	330.7	330.5
3°	329.9	330.2	330.2	330.4	330.5	329.9	330.5	330.1	330.3	330.6	330.3
3.5°	329.6	330.2	330.1	330.3	330.3	329.7	330.4	330.0	330.3	330.5	330.3
4°	329.5	330.3	330.1	330.1	330.2	329.5	330.1	329.9	330.3	330.4	330.3
4.5°	329.4	330.3	329.9	330.1	330.1	329.5	330.1	329.9	330.1	330.2	330.0
5°	329.4	330.1	329.4	329.9	329.4	329.3	330.0	329.6	329.9	330.2	329.7
5.5°	328.8	330.0	329.4	329.7	329.4	329.3	329.4	329.6	330.0	329.8	329.7
6°	328.8	329.8	329.2	329.7	329.3	329.0	329.4	329.3	329.5	329.7	329.6
6.5°	328.5	329.1	329.2	329.3	329.3	329.0	329.3	329.1	329.5	329.6	329.6
7°	328.4	329.0	328.4	329.1	329.0	329.0	329.3	329.1	329.4	329.5	329.5
7.5°	327.9	329.1	328.2	328.6	328.4	328.7	328.9	328.9	328.9	329.2	329.3
8°	327.5	328.7	327.6	328.6	328.4	328.4	328.5	328.7	328.8	328.8	328.8
8.5°	327.4	328.3	327.6	327.6	328.1	328.1	328.4	328.4	328.6	328.6	328.6
9°	326.7	327.7	327.4	327.5	327.2	327.5	328.0	328.0	328.1	328.5	328.3
9.5°	326.6	327.1	327.2	327.0	326.9	327.5	327.5	327.8	327.9	328.1	328.2
10°	325.8	326.7	326.5	326.8	326.6	327.0	327.5	327.4	327.4	327.9	328.1
10.5°	325.5	326.2	326.1	326.7	326.1	326.8	327.0	327.2	327.3	327.8	327.8
11°	325.3	325.4	325.8	326.3	325.9	326.2	326.9	326.7	327.0	327.5	327.3
11.5°	325.0	325.4	324.8	326.0	325.2	325.6	326.0	326.4	326.8	327.1	327.0
12°	324.0	325.1	324.7	325.4	325.0	325.1	325.7	326.4	326.2	326.8	326.6
12.5°	323.3	324.3	324.1	324.6	324.4	324.6	325.5	325.7	326.0	326.3	326.2
13°	322.8	323.6	323.9	324.3	324.2	324.2	325.0	325.2	325.8	326.0	325.8
13.5°	322.5	323.2	323.1	323.6	323.2	323.7	324.8	324.7	324.9	325.5	325.3
14°	321.5	322.6	322.4	322.6	322.7	323.0	324.1	324.1	324.5	325.1	324.9
14.5°	320.8	321.5	322.0	322.1	322.1	322.6	323.2	323.7	323.8	324.6	324.3
15°	320.3	321.1	321.0	321.5	321.1	321.9	322.7	323.0	322.8	324.1	323.8
15.5°	319.9	320.8	320.5	320.8	320.3	321.3	322.4	322.3	322.0	323.6	323.2
16°	318.8	320.1	319.8	320.2	320.1	320.6	321.3	321.7	321.8	323.2	322.8
16.5°	318.0	318.9	318.8	319.9	319.8	319.8	320.7	321.0	321.6	322.6	322.2
17°	317.4	318.1	318.1	318.9	318.9	319.3	320.1	320.6	321.0	322.0	321.6
17.5°	316.9	316.6	317.3	317.9	318.5	318.7	319.3	319.6	320.2	321.6	321.0
18°	315.4	316.1	316.7	316.9	317.5	317.8	318.8	318.9	319.5	320.8	320.3
18.5°	314.6	315.0	315.9	316.2	316.7	317.0	318.0	318.5	319.0	319.9	319.8
19°	313.9	313.7	314.1	315.3	315.6	316.3	317.1	317.5	318.7	319.4	319.2
19.5°	312.4	312.9	313.2	314.3	314.5	315.5	316.5	316.9	317.7	318.8	318.5
20°	312.3	312.0	312.2	313.2	313.6	314.7	315.6	316.3	316.6	318.2	317.9
20.5°	310.9	310.9	311.3	312.4	312.6	313.7	314.8	315.3	316.6	317.3	317.1
21°	309.1	309.7	310.2	311.1	311.5	312.6	313.9	314.4	315.5	316.6	316.3
21.5°	308.5	308.7	308.9	310.0	310.5	311.6	312.9	313.8	314.5	315.7	315.4
22°	307.7	307.4	307.4	308.9	309.7	310.7	311.8	312.7	313.5	315.0	314.7



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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°	306.3	306.2	306.6	307.6	308.7	309.8	310.9	311.9	312.6	314.0	313.8
23°	305.2	305.1	304.9	306.0	307.3	308.5	309.9	310.9	311.8	313.0	312.5
23.5°	304.0	303.5	303.8	305.1	306.3	307.4	309.0	309.8	310.7	312.1	311.9
24°	302.8	302.3	302.4	303.7	305.3	306.2	308.0	309.0	309.5	311.3	310.9
24.5°	301.3	301.1	301.0	302.7	304.1	305.1	306.6	307.9	308.5	309.9	309.8
25°	299.5	299.7	300.1	301.6	302.7	303.8	305.3	306.6	307.4	309.0	308.9
25.5°	297.9	298.0	298.5	300.0	301.3	302.7	304.0	305.3	306.3	308.0	307.5
26°	296.7	296.8	297.6	298.4	299.9	301.1	302.7	304.1	305.0	306.8	306.3
26.5°	295.3	295.4	296.0	296.9	298.4	299.8	301.3	302.9	303.8	305.7	305.0
27°	293.6	293.9	294.3	295.4	297.0	298.3	300.3	301.6	302.7	304.2	304.0
27.5°	291.7	292.4	292.5	293.6	295.5	297.0	298.8	300.1	301.3	303.2	302.6
28°	289.9	290.6	290.7	291.9	294.1	295.5	297.5	299.1	300.3	301.7	301.3
28.5°	288.1	288.8	289.1	290.4	292.6	294.1	296.1	297.6	298.8	300.3	299.9
29°	286.7	287.3	287.4	288.8	290.9	292.6	294.9	296.1	297.5	298.9	298.6
29.5°	284.9	285.4	285.7	287.2	289.0	291.0	293.0	294.6	295.9	297.7	296.9
30°	282.9	283.6	283.9	285.4	287.3	289.3	291.3	293.3	294.6	296.0	295.5
30.5°	281.2	281.7	281.9	283.6	285.8	287.8	289.8	291.6	293.2	294.4	294.0
31°	279.5	279.7	280.3	281.8	284.0	286.2	288.1	290.1	291.6	292.8	292.6
31.5°	277.5	277.8	278.2	279.7	282.3	284.6	286.2	288.4	289.9	291.4	291.0
32°	275.6	275.6	276.1	277.7	280.6	282.8	284.9	287.0	288.4	289.6	289.3
32.5°	273.6	273.7	274.1	275.7	278.6	280.8	283.3	285.3	286.9	287.8	287.8
33°	271.7	271.6	271.8	273.5	276.7	279.2	281.5	283.2	285.2	286.3	286.0
33.5°	269.7	269.3	269.7	271.5	274.7	277.2	279.6	281.4	283.1	284.5	284.1
34°	267.3	267.1	267.6	269.4	272.6	274.9	277.7	279.1	281.4	282.6	282.3
34.5°	265.1	264.8	265.3	267.2	270.6	273.1	275.9	277.4	279.5	280.9	280.5
35°	262.9	262.5	263.2	264.9	268.5	271.0	273.5	275.5	277.6	279.0	278.6
35.5°	260.7	260.1	261.0	262.7	266.5	268.9	271.5	273.5	275.7	277.2	276.7
36°	258.4	258.0	258.2	260.5	264.5	266.5	269.4	271.2	273.8	275.2	274.6
36.5°	256.0	255.6	256.3	258.2	262.2	264.5	267.1	269.5	271.8	273.2	272.7
37°	253.7	253.3	254.0	255.9	259.7	262.2	265.0	267.7	269.5	271.1	270.5
37.5°	251.3	251.0	251.6	253.8	257.3	260.3	262.8	265.6	267.6	269.2	268.5
38°	248.8	248.5	249.2	251.2	254.8	257.9	260.6	263.3	265.4	267.0	266.6
38.5°	246.5	246.0	246.8	248.8	252.7	255.7	258.4	261.0	263.2	264.9	264.2
39°	244.1	243.5	244.4	246.4	250.2	253.4	256.4	258.8	260.8	262.5	262.2
39.5°	241.5	240.9	241.8	243.9	247.8	251.0	254.0	256.8	258.8	260.3	259.8
40°	238.9	238.3	239.1	241.3	245.4	248.5	251.7	254.4	256.5	258.1	257.7
40.5°	236.6	235.9	236.6	238.8	243.0	246.0	249.2	251.9	254.2	255.8	255.3
41°	233.9	233.4	234.0	236.2	240.5	243.7	246.9	249.5	252.1	253.4	253.2
41.5°	231.2	230.6	231.3	233.7	238.0	241.1	244.4	247.4	249.5	251.1	250.8
42°	228.5	228.0	228.8	231.1	235.6	238.6	241.8	245.3	247.2	248.7	248.6
42.5°	226.0	225.4	226.1	228.6	232.9	236.1	239.4	242.5	244.8	246.3	246.0
43°	223.4	222.7	223.4	225.9	230.3	233.6	236.9	240.0	242.3	243.8	243.6
43.5°	220.7	220.3	221.0	223.2	227.8	230.9	234.1	237.5	239.7	241.2	241.1
44°	218.1	217.5	218.3	220.6	225.1	228.3	231.6	234.9	237.2	238.6	238.5
44.5°	215.4	214.9	215.6	217.9	222.3	225.7	229.1	232.2	234.7	236.1	235.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	212.6	212.2	212.9	215.2	219.6	223.1	226.3	229.7	232.0	233.5	233.1
45.5°	209.9	209.3	210.2	212.4	216.9	220.3	223.7	226.9	229.4	231.0	230.4
46°	207.1	206.5	207.6	209.6	214.3	217.7	221.1	224.3	226.9	228.4	227.8
46.5°	204.2	203.7	204.8	206.9	211.4	215.1	218.6	221.8	224.3	225.7	224.9
47°	201.5	200.9	201.9	204.1	208.6	212.3	215.8	219.3	221.7	223.0	222.4
47.5°	198.6	198.0	199.1	201.3	205.6	209.4	213.0	216.7	219.1	220.3	219.9
48°	195.9	195.1	196.3	198.5	202.8	206.8	210.3	213.8	216.3	217.6	217.2
48.5°	193.0	192.3	193.4	195.5	200.2	203.8	207.6	211.0	213.7	214.8	214.5
49°	190.2	189.5	190.6	192.6	197.5	201.2	204.7	208.2	210.9	211.9	211.8
49.5°	187.4	186.8	187.7	189.8	194.6	198.3	201.6	205.3	208.1	209.2	208.9
50°	184.5	183.9	185.0	187.0	191.8	195.6	198.9	202.4	205.2	206.4	206.0
50.5°	181.8	181.0	182.0	184.2	188.9	192.6	196.1	199.5	202.4	203.6	203.2
51°	179.0	178.1	179.1	181.6	186.2	189.8	193.3	197.1	199.4	200.7	200.3
51.5°	176.0	175.2	176.2	178.6	183.5	187.1	190.6	194.2	196.6	197.9	197.5
52°	173.2	172.3	173.2	175.7	180.5	184.3	187.7	191.2	193.8	195.3	194.7
52.5°	170.4	169.4	170.5	172.7	177.4	181.3	184.9	188.6	190.9	192.4	191.7
53°	167.5	166.4	167.7	170.0	174.7	178.4	182.0	185.7	188.0	189.6	189.0
53.5°	164.7	163.6	164.8	167.0	171.8	175.5	179.2	182.5	185.3	186.8	186.2
54°	161.8	160.7	161.8	164.0	168.9	172.6	176.3	179.8	182.5	183.9	183.2
54.5°	158.8	157.8	159.0	161.1	165.9	169.7	173.5	176.8	179.8	181.0	180.5
55°	156.0	155.1	156.0	158.3	163.2	166.8	170.6	174.0	176.9	178.2	177.6
55.5°	153.3	152.2	153.3	155.3	160.4	164.1	167.7	171.2	174.0	175.2	174.7
56°	150.6	149.5	150.5	152.7	157.2	161.2	164.9	168.2	171.0	172.5	171.9
56.5°	147.7	146.6	147.6	149.9	154.6	158.3	162.1	165.3	168.1	169.4	169.1
57°	144.8	143.6	144.8	146.9	151.8	155.4	159.0	162.5	165.3	166.5	166.1
57.5°	141.9	140.7	142.1	144.0	149.0	152.8	156.1	159.7	162.4	163.8	163.3
58°	139.1	138.1	139.3	141.2	146.0	149.9	153.5	156.9	159.5	160.8	160.4
58.5°	136.3	135.3	136.5	138.5	143.2	147.1	150.7	153.9	156.7	157.8	157.5
59°	133.6	132.6	133.7	135.7	140.5	144.2	147.8	151.4	154.0	155.1	154.8
59.5°	130.8	129.9	130.7	132.9	137.7	141.4	145.0	148.6	151.4	152.4	152.2
60°	127.9	127.0	127.9	130.1	134.8	138.5	142.1	145.8	148.7	149.7	149.4
60.5°	125.1	124.3	125.1	127.2	132.1	135.8	139.4	142.9	145.7	146.8	146.6
61°	122.3	121.7	122.3	124.4	129.4	132.9	136.6	140.1	142.9	144.1	143.7
61.5°	119.7	118.9	119.5	121.7	126.8	130.2	133.8	137.3	140.1	141.2	140.9
62°	116.9	116.3	116.9	118.9	123.9	127.4	131.0	134.6	137.3	138.5	138.1
62.5°	114.2	113.5	114.1	116.3	121.2	124.6	128.3	131.8	134.5	135.7	135.2
63°	111.3	110.9	111.4	113.5	118.4	121.7	125.3	128.9	131.5	132.8	132.4
63.5°	108.7	108.4	108.7	110.8	115.6	119.1	122.7	126.2	128.8	129.9	129.5
64°	106.0	105.6	106.0	108.1	112.9	116.2	120.3	123.4	126.1	127.2	126.8
64.5°	103.2	103.0	103.2	105.3	110.1	113.6	117.5	120.9	123.3	124.4	124.0
65°	100.6	100.3	100.7	102.8	107.5	110.7	114.8	118.1	120.6	121.7	121.2
65.5°	97.9	97.7	98.0	100.1	104.9	108.2	112.0	115.4	117.9	119.0	118.5
66°	95.3	95.1	95.4	97.4	102.1	105.3	109.3	112.5	115.0	116.2	115.7
66.5°	92.6	92.5	92.8	94.7	99.5	102.7	106.6	109.9	112.2	113.5	112.9
67°	90.0	89.8	90.1	92.2	96.9	100.1	104.0	107.1	109.5	110.9	110.2





TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	87.7	87.4	87.8	89.6	94.2	97.3	101.2	104.4	106.9	108.2	107.4
68°	85.0	84.9	85.2	87.1	91.7	94.7	98.6	101.8	104.0	105.5	104.7
68.5°	82.7	82.3	82.7	84.6	89.0	92.1	95.9	99.0	101.3	102.8	102.0
69°	80.0	79.9	80.0	82.1	86.7	89.5	93.4	96.4	98.7	100.1	99.3
69.5°	77.3	77.3	77.5	79.6	84.0	87.2	90.8	93.7	96.0	97.5	96.6
70°	74.9	74.8	75.1	77.2	81.7	84.5	88.2	91.2	93.4	94.9	93.9
70.5°	72.5	72.4	72.7	74.7	79.0	82.0	85.9	88.6	90.8	92.2	91.2
71°	70.1	70.0	70.2	72.3	76.7	79.5	83.3	86.1	88.2	89.6	88.6
71.5°	67.7	67.6	67.9	69.8	74.1	77.0	80.8	83.7	85.7	87.2	86.2
72°	65.3	65.2	65.5	67.5	71.8	74.5	78.3	81.2	83.1	84.7	83.6
72.5°	63.0	62.8	63.2	65.0	69.3	72.1	75.7	78.7	80.7	82.2	81.0
73°	60.7	60.5	60.9	62.7	66.9	69.7	73.2	76.1	78.2	79.6	78.5
73.5°	58.5	58.2	58.6	60.4	64.5	67.2	70.9	73.6	75.6	77.1	76.1
74°	56.3	56.1	56.3	58.1	62.2	64.9	68.5	71.2	73.3	74.6	73.6
74.5°	54.2	53.8	54.2	55.9	59.8	62.6	66.1	68.8	70.7	72.2	71.1
75°	51.9	51.5	52.0	53.8	57.8	60.3	63.7	66.4	68.4	69.8	68.8
75.5°	49.8	49.3	49.9	51.5	55.3	58.0	61.4	64.1	66.0	67.3	66.3
76°	47.5	47.1	47.8	49.4	53.1	55.8	59.1	61.8	63.7	64.9	63.9
76.5°	45.4	45.0	45.5	47.1	50.9	53.6	56.8	59.5	61.3	62.5	61.6
77°	43.2	42.9	43.3	45.0	48.9	51.4	54.7	57.2	59.0	60.2	59.3
77.5°	41.1	40.7	41.3	42.9	46.7	49.3	52.4	55.0	56.8	57.9	57.0
78°	39.0	38.7	39.2	40.7	44.5	47.1	50.3	52.8	54.6	55.6	54.8
78.5°	36.9	36.6	37.1	38.7	42.3	45.0	48.1	50.6	52.4	53.4	52.6
79°	34.9	34.5	35.0	36.5	40.3	42.9	45.9	48.5	50.2	51.2	50.4
79.5°	32.9	32.4	33.0	34.6	38.1	40.9	43.8	46.4	48.1	49.1	48.2
80°	30.8	30.4	30.9	32.4	36.1	38.8	41.7	44.2	46.0	46.9	46.2
80.5°	28.8	28.4	28.9	30.5	34.1	36.8	39.7	42.1	43.9	44.7	44.0
81°	26.9	26.3	27.0	28.4	32.1	34.9	37.6	40.0	41.7	42.5	41.9
81.5°	24.9	24.4	25.0	26.4	30.0	32.8	35.5	37.9	39.6	40.4	39.7
82°	23.0	22.6	23.1	24.5	28.0	30.8	33.5	35.8	37.6	38.4	37.7
82.5°	21.2	20.8	21.4	22.7	26.2	28.8	31.5	33.9	35.6	36.4	35.7
83°	19.4	18.9	19.4	20.9	24.3	26.9	29.5	31.9	33.6	34.3	33.7
83.5°	17.5	17.1	17.6	19.0	22.4	25.0	27.5	29.8	31.6	32.2	31.7
84°	15.7	15.2	15.7	17.1	20.5	23.1	25.6	27.9	29.6	30.2	29.7
84.5°	13.9	13.5	14.0	15.3	18.7	21.3	23.8	26.0	27.7	28.3	27.8
85°	12.1	11.6	12.1	13.5	16.9	19.5	21.8	24.0	25.8	26.4	25.9
85.5°	10.3	9.8	10.4	11.7	15.1	17.6	20.2	22.2	23.9	24.5	24.0
86°	8.6	8.1	8.5	9.9	13.3	15.8	18.3	20.6	22.0	22.5	22.0
86.5°	6.8	6.2	6.7	8.2	11.7	14.0	16.5	18.7	20.3	20.7	20.3
87°	5.1	4.4	4.9	6.4	10.0	12.3	14.8	16.9	18.4	18.9	18.4
87.5°	3.3	2.8	3.1	4.7	8.2	10.5	13.2	15.1	16.6	17.1	16.6
88°	1.8	1.5	1.8	2.9	6.5	8.9	11.2	13.4	14.8	15.4	14.8
88.5°	0.9	0.8	0.8	1.5	4.8	7.1	9.5	11.6	13.1	13.5	13.1
89°	0.7	0.6	0.7	0.7	3.0	5.5	7.8	10.0	11.3	11.7	11.1
89.5°	0.5	0.6	0.6	0.5	1.6	3.8	6.2	8.2	9.7	10.0	9.5



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.6	0.5	0.6	0.5	0.4	2.2	4.6	6.6	7.9	8.3	7.7
90.5°	0.5	0.6	0.5	0.6	0.4	0.8	2.9	4.9	6.2	6.6	6.0
91°	0.5	0.5	0.5	0.5	0.4	0.5	1.5	3.2	4.6	4.9	4.3
91.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.5	1.7	2.8	3.1	2.5
92°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.6	1.3	1.5	0.8
92.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.5	0.4	0.5	0.4
93°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.4	0.4
93.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.4	0.4	0.3
94°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.3	0.3	0.3
94.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.3	0.3	0.3
95°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.3	0.3	0.3
95.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.4	0.3	0.4
96°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.4	0.3	0.4
96.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.4	0.3	0.5
97°	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.4	0.3	0.5
97.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.3	0.4
98°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.3	0.4
98.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.3	0.4
99°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.3	0.4
99.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.4
100°	0.5	0.5	0.5	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.4
100.5°	0.5	0.5	0.5	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.4
101°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
101.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
102°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4
102.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4
103°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
103.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
104°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
104.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
105°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
105.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
106°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
106.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5
107°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5
107.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.4	0.5	0.4	0.4	0.5
108°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5
108.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
109°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
109.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
110°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
110.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
111°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
111.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
112°	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
113°	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
113.5°	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
114°	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
114.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
115°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
115.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
116°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
116.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
117°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
117.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
118°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.6	0.5	0.5
118.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.6	0.5	0.5
119°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.5
119.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.5	0.5
120°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.5	0.5
120.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.5
121°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.5
121.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.5
122°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.5
122.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.6
123°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.6	0.6
123.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.6	0.6
124°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.6	0.6
124.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.7	0.6	0.6	0.6
125°	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.7	0.6	0.6	0.6
125.5°	0.5	0.5	0.5	0.5	0.4	0.6	0.6	0.6	0.6	0.6	0.6
126°	0.5	0.5	0.5	0.5	0.4	0.6	0.6	0.6	0.6	0.6	0.6
126.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.6	0.6
127°	0.5	0.5	0.5	0.5	0.4	0.8	0.5	0.6	0.6	0.6	0.6
127.5°	0.5	0.5	0.5	0.5	0.4	0.8	0.5	0.6	0.6	0.6	0.6
128°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.6	0.6
128.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.6	0.6	0.6	0.6
129°	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.6	0.6	0.6	0.6
129.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.7	0.6	0.6	0.6	0.6
130°	0.5	0.5	0.5	0.5	0.4	0.7	0.7	0.6	0.6	0.6	0.6
130.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.6	0.6	0.6	0.6
131°	0.5	0.5	0.5	0.5	0.5	0.7	0.6	0.7	0.6	0.7	0.6
131.5°	0.5	0.5	0.6	0.5	0.4	0.7	0.6	0.7	0.6	0.6	0.6
132°	0.6	0.5	0.6	0.6	0.5	0.7	0.6	0.7	0.6	0.6	0.6
132.5°	0.6	0.5	0.7	0.6	0.5	0.7	0.6	0.7	0.6	0.6	0.6
133°	0.6	0.5	0.7	0.6	0.6	0.7	0.6	0.7	0.6	0.6	0.6
133.5°	0.6	0.5	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.6	0.6
134°	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6
134.5°	0.8	0.8	0.8	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.8	0.8	0.9	0.8	0.6	0.7	0.7	0.7	0.8	0.7	0.6
135.5°	0.9	0.8	0.8	0.8	0.6	0.7	0.7	0.7	0.7	0.7	0.6
136°	0.9	0.8	0.9	0.8	0.6	0.7	0.7	0.7	0.7	0.7	0.6
136.5°	0.9	1.0	0.9	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.6
137°	0.9	1.0	0.9	0.9	0.7	0.8	0.8	0.7	0.7	0.7	0.6
137.5°	0.9	1.0	0.9	0.9	0.6	0.8	0.8	0.7	0.7	0.7	0.6
138°	0.9	1.0	1.0	1.0	0.7	0.8	0.8	0.7	0.7	0.7	0.6
138.5°	1.0	1.0	1.0	1.0	0.7	0.8	0.8	0.8	0.8	0.7	0.6
139°	1.0	1.0	1.1	1.1	0.6	0.8	0.8	0.8	0.8	0.7	0.6
139.5°	1.0	1.0	1.0	1.1	0.6	0.8	0.8	0.8	0.8	0.7	0.6
140°	1.0	1.0	1.0	1.0	0.6	0.8	0.8	0.8	0.8	0.8	0.7
140.5°	1.0	1.0	1.0	1.0	0.6	0.8	0.8	0.8	0.8	0.8	0.7
141°	1.0	1.0	1.0	1.0	0.7	0.8	0.8	0.8	0.8	0.8	0.7
141.5°	1.0	1.0	1.0	1.0	0.7	0.8	0.8	0.8	0.8	0.8	0.7
142°	1.0	1.0	1.0	1.0	0.6	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	1.0	1.0	1.0	1.0	0.7	0.8	0.8	0.8	0.8	0.8	0.8
143°	1.0	1.0	1.0	1.0	0.7	0.8	0.8	0.8	0.8	0.8	0.8
143.5°	1.0	1.0	1.0	1.0	0.7	0.8	0.8	0.8	0.8	0.8	0.8
144°	1.0	1.0	1.0	1.0	0.7	0.9	0.8	0.8	0.8	0.8	0.8
144.5°	1.0	1.0	1.0	1.0	0.7	0.9	0.8	0.8	0.9	0.8	0.8
145°	1.0	1.0	1.0	1.0	0.7	0.8	0.9	0.8	0.9	0.8	0.8
145.5°	1.0	1.0	1.0	1.0	0.7	0.8	0.8	0.8	0.8	0.8	0.8
146°	1.0	1.0	1.0	1.0	0.7	0.9	0.8	0.8	0.8	0.8	0.8
146.5°	1.0	1.0	1.0	1.0	0.8	1.0	0.8	0.8	0.9	0.8	0.8
147°	1.0	1.0	1.0	1.0	0.8	0.9	0.8	0.9	0.9	0.8	0.8
147.5°	1.0	1.0	1.0	1.0	0.8	0.9	0.9	0.9	1.0	0.8	0.8
148°	1.0	1.0	1.0	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8
148.5°	1.0	1.0	1.0	1.0	0.8	0.9	0.8	1.0	0.9	0.8	0.8
149°	1.0	1.0	1.0	1.0	0.8	1.0	0.8	0.9	0.9	0.9	0.8
149.5°	1.0	1.0	1.0	1.0	0.8	1.0	0.8	1.0	0.9	0.9	0.9
150°	1.0	1.0	1.0	1.0	0.8	1.0	0.8	1.0	0.9	0.9	0.9
150.5°	1.0	1.0	1.0	1.0	0.8	1.0	0.7	1.0	1.0	1.0	0.9
151°	1.0	1.0	1.0	1.0	0.9	1.0	0.6	1.0	1.0	0.9	1.0
151.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	0.9
152°	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
153°	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
153.5°	1.0	1.0	1.0	1.0	0.9	1.1	1.1	1.0	1.0	1.0	1.0
154°	1.0	1.0	1.0	1.0	0.9	1.1	1.1	1.0	1.0	1.0	1.0
154.5°	1.0	1.0	1.0	1.0	0.9	1.2	1.2	1.2	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.0	1.0	1.0
155.5°	1.0	1.0	1.0	1.0	0.9	1.1	1.2	1.1	1.0	1.0	1.0
156°	1.0	1.0	1.0	1.0	0.8	1.1	1.2	1.1	1.0	1.0	1.1
156.5°	1.0	1.0	1.0	1.0	0.9	1.1	1.2	1.1	1.0	1.1	1.2
157°	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.1	1.0	1.0	1.2



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.1	1.0	1.0	1.1
158°	1.0	1.0	1.0	1.0	0.9	1.2	1.2	1.2	1.0	1.0	1.1
158.5°	1.0	1.0	1.0	1.0	0.8	1.3	1.2	1.1	1.0	1.0	1.1
159°	1.0	1.0	1.0	1.0	0.8	1.3	1.2	1.0	1.0	1.1	1.1
159.5°	1.0	1.0	1.0	1.0	0.8	1.3	1.2	1.1	1.0	1.0	1.1
160°	1.0	1.0	1.0	1.0	0.8	1.3	1.2	1.1	1.0	1.0	1.2
160.5°	1.0	1.0	1.0	1.0	0.8	1.4	1.2	1.1	1.0	1.0	1.2
161°	1.0	1.0	1.0	1.0	1.2	1.4	1.2	1.1	1.0	1.0	1.2
161.5°	1.0	1.0	1.0	1.0	1.1	1.0	1.2	1.1	1.0	1.0	1.2
162°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
162.5°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
163°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
163.5°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
164°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
164.5°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
165°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
165.5°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.3
166°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
166.5°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
167°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
167.5°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
168°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
168.5°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
169°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
169.5°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
170°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
170.5°	1.0	1.0	1.0	1.0	1.5	1.0	1.2	1.1	1.0	1.0	1.2
171°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
171.5°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
172°	1.0	1.0	1.0	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.2
172.5°	1.0	1.0	1.0	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.2
173°	1.0	1.0	1.0	1.0	1.4	1.0	1.2	1.1	1.0	1.0	1.2
173.5°	1.0	1.0	1.0	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.2
174°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
174.5°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
175°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
175.5°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
176°	1.0	1.0	1.0	1.0	1.2	1.0	1.2	1.1	1.0	1.0	1.2
176.5°	1.0	1.0	1.0	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.2
177°	1.0	1.0	1.0	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.2
177.5°	1.0	1.0	1.0	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.2
178°	1.0	1.2	1.0	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.2
178.5°	1.0	1.2	1.0	1.0	1.1	1.0	1.2	1.1	1.0	1.0	1.2
179°	1.0	1.2	1.0	1.0	1.1	1.0	1.2	1.1	1.0	1.0	1.2
179.5°	1.0	1.2	1.0	1.0	1.1	1.0	1.2	1.1	1.0	1.0	1.2



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	330.6	330.6	330.6	330.6	330.6	330.6
0.5°	330.7	330.8	330.3	330.6	330.2	330.3
1°	330.4	330.8	330.3	330.6	329.7	330.3
1.5°	330.4	330.8	330.4	330.6	329.9	329.9
2°	330.5	330.8	330.4	330.6	329.9	329.9
2.5°	330.4	330.9	330.4	330.6	330.0	329.9
3°	330.4	331.0	330.4	330.3	330.0	329.9
3.5°	330.4	331.0	330.4	330.2	329.3	329.6
4°	330.4	330.7	330.4	330.3	329.3	329.5
4.5°	330.4	330.8	330.1	330.0	329.3	329.4
5°	330.5	330.6	329.9	330.1	329.3	329.4
5.5°	330.5	330.1	329.9	329.8	328.9	328.8
6°	329.8	330.1	329.7	329.5	328.7	328.8
6.5°	329.6	330.1	329.1	329.2	328.5	328.5
7°	329.1	329.6	329.1	329.0	328.4	328.4
7.5°	329.1	329.6	329.1	328.6	328.2	327.9
8°	329.0	329.1	328.7	328.4	327.8	327.5
8.5°	328.7	328.7	328.4	328.3	327.1	327.4
9°	328.6	328.3	328.1	328.1	327.1	326.7
9.5°	328.3	327.9	328.1	327.6	326.7	326.6
10°	327.6	327.9	327.6	327.4	326.2	325.8
10.5°	327.5	327.7	327.2	327.0	326.0	325.5
11°	327.1	327.4	327.0	326.4	325.8	325.3
11.5°	326.9	327.5	326.3	326.1	325.1	325.0
12°	326.5	326.5	325.7	325.7	324.6	324.0
12.5°	326.0	325.9	325.0	325.1	324.1	323.3
13°	325.7	325.5	324.4	324.1	323.4	322.8
13.5°	325.4	325.1	324.1	323.9	323.0	322.5
14°	325.0	324.8	323.7	322.8	322.2	321.5
14.5°	324.7	324.5	323.4	322.3	321.8	320.8
15°	324.0	323.6	322.6	321.2	321.3	320.3
15.5°	323.5	322.8	322.0	321.0	320.3	319.9
16°	323.2	322.5	321.3	320.5	319.8	318.8
16.5°	322.5	321.7	320.6	320.0	319.3	318.0
17°	322.1	321.4	320.3	319.1	318.6	317.4
17.5°	321.2	320.7	319.5	318.3	317.4	316.9
18°	320.7	320.4	318.3	317.9	316.4	315.4
18.5°	319.8	319.6	317.7	316.6	315.7	314.6
19°	319.4	318.7	317.1	315.9	314.5	313.9
19.5°	318.5	318.2	316.0	314.5	313.8	312.4
20°	317.5	316.9	315.1	313.8	312.7	312.3
20.5°	316.9	315.8	314.3	312.5	311.6	310.9
21°	316.0	314.9	313.3	311.9	310.8	309.1
21.5°	314.9	314.3	312.0	310.9	309.7	308.5
22°	314.1	313.2	311.0	309.9	308.4	307.7



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	313.3	311.4	309.9	308.9	307.4	306.3
23°	312.5	310.6	308.9	307.5	306.2	305.2
23.5°	311.4	310.1	307.6	306.4	305.0	304.0
24°	310.2	309.0	306.5	305.2	303.9	302.8
24.5°	309.2	307.7	305.5	303.9	302.1	301.3
25°	308.0	306.4	304.2	302.5	300.6	299.5
25.5°	306.8	305.1	302.8	301.4	299.2	297.9
26°	305.7	304.0	301.8	300.1	297.7	296.7
26.5°	304.3	302.3	300.5	298.6	296.1	295.3
27°	302.9	300.8	299.0	296.9	294.8	293.6
27.5°	301.7	299.7	297.2	295.6	293.3	291.7
28°	300.3	297.8	296.1	293.7	291.7	289.9
28.5°	299.0	296.3	294.5	292.2	289.9	288.1
29°	297.6	295.1	293.1	290.8	288.3	286.7
29.5°	296.2	293.4	291.2	288.8	286.7	284.9
30°	294.5	292.0	289.7	287.1	284.9	282.9
30.5°	293.2	290.3	287.8	285.5	283.0	281.2
31°	291.6	288.8	285.9	283.4	281.2	279.5
31.5°	290.0	287.3	284.0	281.6	279.2	277.5
32°	288.1	285.6	282.6	279.6	277.3	275.6
32.5°	286.5	283.8	280.2	277.8	275.1	273.6
33°	284.9	281.6	278.7	275.9	273.0	271.7
33.5°	283.3	279.8	276.9	274.0	271.0	269.7
34°	281.6	277.7	274.8	271.9	269.0	267.3
34.5°	279.8	275.9	272.6	269.8	267.1	265.1
35°	277.8	273.8	270.5	267.7	264.8	262.9
35.5°	275.8	271.9	268.5	265.3	262.7	260.7
36°	273.7	269.7	266.3	263.2	260.3	258.4
36.5°	271.6	267.6	264.2	261.0	258.0	256.0
37°	269.4	265.4	262.0	258.6	255.6	253.7
37.5°	267.2	263.0	259.7	256.2	253.4	251.3
38°	265.0	260.8	257.5	253.9	250.9	248.8
38.5°	262.9	258.5	255.1	251.6	248.6	246.5
39°	260.7	256.4	252.8	249.2	246.2	244.1
39.5°	258.4	254.0	250.3	246.6	243.7	241.5
40°	256.2	251.4	247.8	244.3	241.2	238.9
40.5°	253.8	248.9	245.5	241.8	238.6	236.6
41°	251.6	246.5	242.9	239.2	236.1	233.9
41.5°	249.2	244.0	240.4	236.8	233.5	231.2
42°	246.8	241.6	237.8	234.1	230.8	228.5
42.5°	244.4	239.0	235.3	231.5	228.4	226.0
43°	241.8	236.3	232.7	228.8	225.6	223.4
43.5°	239.2	233.9	230.1	226.1	222.9	220.7
44°	236.5	231.3	227.5	223.4	220.3	218.1
44.5°	233.8	228.5	224.7	220.6	217.7	215.4





TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	231.1	226.0	222.0	218.0	214.8	212.6
45.5°	228.5	223.4	219.4	215.1	212.1	209.9
46°	225.8	220.6	216.5	212.5	209.3	207.1
46.5°	223.2	217.8	213.8	209.6	206.5	204.2
47°	220.5	215.2	211.0	207.0	203.6	201.5
47.5°	217.9	212.5	208.3	204.1	200.8	198.6
48°	215.3	209.5	205.4	201.2	198.0	195.9
48.5°	212.5	206.8	202.6	198.3	195.3	193.0
49°	209.6	204.0	200.0	195.7	192.4	190.2
49.5°	206.8	201.1	197.2	192.8	189.7	187.4
50°	203.8	198.2	194.3	189.9	187.0	184.5
50.5°	201.0	195.2	191.5	187.2	184.0	181.8
51°	198.2	192.4	188.5	184.3	181.2	179.0
51.5°	195.3	189.8	185.8	181.4	178.3	176.0
52°	192.6	186.9	183.1	178.4	175.2	173.2
52.5°	189.6	183.8	180.2	175.5	172.4	170.4
53°	186.7	181.1	177.4	172.5	169.6	167.5
53.5°	183.8	178.2	174.3	169.9	166.7	164.7
54°	180.9	175.6	171.6	167.0	163.8	161.8
54.5°	178.1	172.6	168.8	164.1	161.0	158.8
55°	175.2	169.8	165.8	161.3	158.2	156.0
55.5°	172.3	167.1	163.0	158.5	155.2	153.3
56°	169.5	164.2	160.1	155.5	152.6	150.6
56.5°	166.7	161.3	157.3	152.9	149.8	147.7
57°	163.8	158.4	154.5	150.0	146.8	144.8
57.5°	161.0	155.6	151.6	147.3	144.1	141.9
58°	158.1	152.8	148.8	144.6	141.4	139.1
58.5°	155.2	150.1	146.0	141.9	138.5	136.3
59°	152.5	147.3	143.2	139.0	135.7	133.6
59.5°	149.7	144.7	140.5	136.2	132.8	130.8
60°	146.8	141.8	137.7	133.4	130.2	127.9
60.5°	144.1	138.9	134.9	130.6	127.4	125.1
61°	141.3	136.1	132.0	127.8	124.6	122.3
61.5°	138.5	133.3	129.1	125.2	121.8	119.7
62°	135.7	130.6	126.5	122.3	119.2	116.9
62.5°	132.8	127.8	123.7	119.8	116.4	114.2
63°	130.0	124.9	121.0	117.0	113.6	111.3
63.5°	127.3	122.1	118.3	114.4	110.8	108.7
64°	124.4	119.4	115.6	111.5	108.2	106.0
64.5°	121.7	116.9	112.8	109.0	105.4	103.2
65°	119.1	114.1	110.0	106.2	102.7	100.6
65.5°	116.3	111.3	107.2	103.5	100.1	97.9
66°	113.4	108.6	104.6	100.8	97.4	95.3
66.5°	110.6	106.0	101.8	98.2	94.7	92.6
67°	107.9	103.4	99.0	95.5	92.2	90.0



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	105.2	100.6	96.4	92.9	89.5	87.7
68°	102.4	97.8	93.8	90.2	87.1	85.0
68.5°	99.8	95.2	91.0	87.9	84.6	82.7
69°	97.1	92.7	88.7	85.3	82.1	80.0
69.5°	94.6	89.9	86.2	82.8	79.5	77.3
70°	92.0	87.5	83.7	80.2	77.0	74.9
70.5°	89.3	85.1	81.0	77.7	74.6	72.5
71°	87.0	82.5	78.6	75.2	72.1	70.1
71.5°	84.4	79.9	76.0	72.8	69.7	67.7
72°	81.8	77.3	73.5	70.4	67.3	65.3
72.5°	79.3	74.9	71.1	68.0	65.0	63.0
73°	76.8	72.5	68.7	65.6	62.7	60.7
73.5°	74.3	70.2	66.4	63.4	60.5	58.5
74°	71.8	67.7	64.0	61.0	58.1	56.3
74.5°	69.4	65.3	61.7	58.8	55.9	54.2
75°	67.0	63.0	59.4	56.5	53.8	51.9
75.5°	64.7	60.7	57.2	54.3	51.6	49.8
76°	62.3	58.4	55.1	52.1	49.5	47.5
76.5°	59.9	56.1	52.8	49.9	47.2	45.4
77°	57.7	53.9	50.6	47.7	44.9	43.2
77.5°	55.5	51.8	48.4	45.4	42.8	41.1
78°	53.3	49.5	46.3	43.3	40.7	39.0
78.5°	51.1	47.3	44.1	41.1	38.7	36.9
79°	48.9	45.1	42.0	39.1	36.4	34.9
79.5°	46.7	43.0	39.8	36.9	34.4	32.9
80°	44.6	40.8	37.7	34.8	32.3	30.8
80.5°	42.5	38.7	35.6	32.7	30.3	28.8
81°	40.4	36.7	33.6	30.7	28.3	26.9
81.5°	38.2	34.5	31.6	28.7	26.4	24.9
82°	36.1	32.5	29.6	26.6	24.4	23.0
82.5°	34.1	30.4	27.5	24.7	22.6	21.2
83°	32.1	28.4	25.6	22.8	20.7	19.4
83.5°	30.2	26.4	23.6	21.0	18.9	17.5
84°	28.0	24.5	21.8	19.2	17.0	15.7
84.5°	26.1	22.6	20.1	17.4	15.2	13.9
85°	24.2	20.9	18.0	15.4	13.3	12.1
85.5°	22.3	19.0	16.2	13.7	11.6	10.3
86°	20.6	17.0	14.4	11.8	9.9	8.6
86.5°	18.7	15.1	12.6	10.1	8.1	6.8
87°	16.8	13.3	10.8	8.3	6.4	5.1
87.5°	15.1	11.5	9.0	6.6	4.6	3.3
88°	13.2	9.7	7.3	4.8	2.9	1.8
88.5°	11.4	7.9	5.6	3.1	1.6	0.9
89°	9.7	6.3	3.7	1.7	0.8	0.7
89.5°	7.9	4.5	2.1	0.7	0.6	0.5



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	6.2	2.7	0.8	0.6	0.6	0.6
90.5°	4.4	1.3	0.6	0.5	0.6	0.5
91°	2.5	0.6	0.6	0.5	0.5	0.5
91.5°	0.9	0.6	0.6	0.5	0.5	0.5
92°	0.4	0.6	0.6	0.5	0.5	0.5
92.5°	0.4	0.6	0.5	0.5	0.5	0.5
93°	0.3	0.6	0.5	0.5	0.5	0.5
93.5°	0.3	0.5	0.5	0.5	0.5	0.5
94°	0.3	0.5	0.5	0.5	0.5	0.5
94.5°	0.3	0.5	0.5	0.5	0.5	0.5
95°	0.4	0.5	0.5	0.5	0.5	0.5
95.5°	0.4	0.5	0.5	0.5	0.5	0.5
96°	0.5	0.5	0.5	0.5	0.5	0.5
96.5°	0.5	0.5	0.5	0.5	0.5	0.5
97°	0.4	0.5	0.5	0.5	0.5	0.5
97.5°	0.4	0.5	0.5	0.5	0.5	0.5
98°	0.4	0.5	0.5	0.5	0.5	0.5
98.5°	0.4	0.5	0.5	0.5	0.5	0.5
99°	0.4	0.5	0.5	0.5	0.5	0.5
99.5°	0.4	0.5	0.5	0.5	0.5	0.5
100°	0.4	0.5	0.5	0.5	0.5	0.5
100.5°	0.4	0.5	0.5	0.5	0.5	0.5
101°	0.4	0.5	0.5	0.5	0.5	0.5
101.5°	0.4	0.5	0.5	0.5	0.5	0.5
102°	0.4	0.5	0.5	0.5	0.5	0.5
102.5°	0.4	0.5	0.5	0.5	0.5	0.5
103°	0.4	0.5	0.5	0.5	0.5	0.5
103.5°	0.4	0.5	0.5	0.5	0.5	0.5
104°	0.4	0.5	0.5	0.5	0.5	0.5
104.5°	0.4	0.5	0.5	0.5	0.5	0.5
105°	0.4	0.5	0.5	0.5	0.5	0.5
105.5°	0.4	0.5	0.5	0.5	0.5	0.5
106°	0.4	0.5	0.5	0.5	0.5	0.5
106.5°	0.4	0.5	0.5	0.5	0.5	0.5
107°	0.5	0.5	0.5	0.5	0.5	0.5
107.5°	0.5	0.5	0.5	0.5	0.5	0.5
108°	0.5	0.5	0.5	0.5	0.5	0.5
108.5°	0.5	0.5	0.5	0.5	0.5	0.5
109°	0.5	0.5	0.5	0.5	0.5	0.5
109.5°	0.5	0.5	0.5	0.5	0.5	0.5
110°	0.5	0.5	0.5	0.5	0.5	0.5
110.5°	0.5	0.5	0.5	0.5	0.5	0.5
111°	0.5	0.5	0.5	0.5	0.5	0.5
111.5°	0.5	0.5	0.5	0.5	0.5	0.5
112°	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.5	0.5	0.5	0.5	0.5	0.5
113°	0.5	0.5	0.5	0.5	0.5	0.5
113.5°	0.5	0.5	0.5	0.5	0.5	0.5
114°	0.5	0.5	0.5	0.5	0.5	0.5
114.5°	0.5	0.5	0.5	0.5	0.5	0.5
115°	0.5	0.5	0.5	0.5	0.5	0.5
115.5°	0.5	0.5	0.5	0.5	0.5	0.5
116°	0.5	0.5	0.5	0.5	0.5	0.5
116.5°	0.5	0.5	0.5	0.5	0.5	0.5
117°	0.5	0.5	0.5	0.5	0.5	0.5
117.5°	0.5	0.5	0.5	0.5	0.5	0.5
118°	0.5	0.5	0.5	0.5	0.5	0.5
118.5°	0.5	0.5	0.5	0.5	0.5	0.5
119°	0.5	0.5	0.5	0.5	0.5	0.5
119.5°	0.5	0.5	0.5	0.5	0.5	0.5
120°	0.5	0.5	0.5	0.5	0.5	0.5
120.5°	0.5	0.5	0.5	0.5	0.5	0.5
121°	0.5	0.5	0.5	0.5	0.5	0.5
121.5°	0.6	0.5	0.5	0.5	0.5	0.5
122°	0.6	0.5	0.5	0.5	0.5	0.5
122.5°	0.6	0.5	0.5	0.5	0.5	0.5
123°	0.6	0.5	0.5	0.5	0.5	0.5
123.5°	0.6	0.5	0.5	0.5	0.5	0.5
124°	0.6	0.5	0.5	0.5	0.5	0.5
124.5°	0.6	0.5	0.5	0.5	0.5	0.5
125°	0.6	0.5	0.5	0.5	0.5	0.5
125.5°	0.6	0.5	0.5	0.5	0.5	0.5
126°	0.6	0.5	0.5	0.5	0.5	0.5
126.5°	0.6	0.5	0.5	0.5	0.5	0.5
127°	0.6	0.5	0.5	0.5	0.5	0.5
127.5°	0.6	0.5	0.5	0.5	0.5	0.5
128°	0.6	0.5	0.5	0.5	0.5	0.5
128.5°	0.6	0.5	0.5	0.5	0.5	0.5
129°	0.7	0.5	0.5	0.5	0.5	0.5
129.5°	0.6	0.5	0.5	0.5	0.5	0.5
130°	0.6	0.5	0.5	0.5	0.5	0.5
130.5°	0.6	0.5	0.5	0.5	0.5	0.5
131°	0.6	0.5	0.6	0.5	0.5	0.5
131.5°	0.6	0.5	0.6	0.5	0.5	0.5
132°	0.6	0.5	0.6	0.5	0.5	0.6
132.5°	0.6	0.5	0.6	0.6	0.5	0.6
133°	0.6	0.5	0.7	0.6	0.6	0.6
133.5°	0.6	0.5	0.7	0.6	0.6	0.6
134°	0.6	0.6	0.7	0.7	0.6	0.7
134.5°	0.6	0.6	0.7	0.7	0.6	0.8



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.6	0.6	0.7	0.8	0.7	0.8
135.5°	0.6	0.7	0.7	0.8	0.8	0.9
136°	0.6	0.7	0.8	0.8	0.8	0.9
136.5°	0.6	0.6	0.8	0.8	0.8	0.9
137°	0.6	0.7	0.8	0.9	0.9	0.9
137.5°	0.7	0.7	0.8	0.9	1.0	0.9
138°	0.7	0.7	0.9	0.9	1.0	0.9
138.5°	0.8	0.7	0.9	0.9	1.0	1.0
139°	0.8	0.7	1.0	0.9	1.0	1.0
139.5°	0.7	0.8	1.0	0.9	1.0	1.0
140°	0.7	0.8	0.9	0.9	1.0	1.0
140.5°	0.7	0.8	0.9	0.9	1.0	1.0
141°	0.7	0.8	0.9	0.9	1.0	1.0
141.5°	0.7	0.8	0.9	0.9	1.0	1.0
142°	0.7	0.8	1.0	0.9	1.0	1.0
142.5°	0.7	1.0	0.9	1.0	1.0	1.0
143°	0.8	1.0	1.0	1.0	1.0	1.0
143.5°	0.8	1.0	1.0	1.0	1.0	1.0
144°	0.8	1.0	1.0	1.0	1.0	1.0
144.5°	0.8	1.0	1.0	1.0	1.0	1.0
145°	0.8	1.0	1.0	1.0	1.0	1.0
145.5°	0.8	1.0	1.0	1.0	1.0	1.0
146°	0.8	1.0	1.0	1.0	1.0	1.0
146.5°	0.8	1.0	1.0	1.0	1.0	1.0
147°	0.8	1.0	1.0	1.0	1.0	1.0
147.5°	0.9	1.0	1.0	1.0	1.0	1.0
148°	0.9	1.0	1.0	1.0	1.0	1.0
148.5°	0.9	1.0	1.0	1.0	1.0	1.0
149°	0.9	1.0	1.0	1.0	1.0	1.0
149.5°	1.0	1.0	1.0	1.0	1.0	1.0
150°	0.9	1.0	1.0	1.0	1.0	1.0
150.5°	0.9	1.0	1.0	1.0	1.0	1.0
151°	1.0	1.0	1.0	1.0	1.0	1.0
151.5°	1.0	1.0	1.0	1.0	1.0	1.0
152°	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0
153°	1.0	1.0	1.0	1.0	1.0	1.0
153.5°	1.1	1.0	1.1	1.0	1.0	1.0
154°	1.1	1.0	1.1	1.0	1.0	1.0
154.5°	1.1	1.0	1.0	1.0	1.0	1.0
155°	1.1	1.0	1.0	1.0	1.0	1.0
155.5°	1.1	1.0	1.0	1.0	1.0	1.0
156°	1.1	1.0	1.0	1.0	1.0	1.0
156.5°	1.0	1.0	1.0	1.0	1.0	1.0
157°	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.0	1.0	1.0	1.0	1.0	1.0
158°	1.0	1.0	1.0	1.0	1.0	1.0
158.5°	1.0	1.0	1.0	1.0	1.0	1.0
159°	1.0	1.0	1.0	1.0	1.0	1.0
159.5°	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.1	1.0	1.0	1.0	1.0	1.0
160.5°	1.1	1.0	1.0	1.0	1.0	1.0
161°	1.0	1.0	1.0	1.0	1.0	1.0
161.5°	1.2	1.0	1.0	1.0	1.0	1.0
162°	1.2	1.0	1.0	1.0	1.0	1.0
162.5°	1.1	1.0	1.0	1.0	1.0	1.0
163°	1.1	1.0	1.0	1.0	1.0	1.0
163.5°	1.1	1.0	1.0	1.0	1.0	1.0
164°	1.1	1.0	1.0	1.0	1.0	1.0
164.5°	1.1	1.0	1.0	1.0	1.0	1.0
165°	1.1	1.0	1.0	1.0	1.0	1.0
165.5°	1.1	1.0	1.0	1.0	1.0	1.0
166°	1.2	1.0	1.0	1.0	1.0	1.0
166.5°	1.2	1.0	1.0	1.0	1.0	1.0
167°	1.1	1.0	1.0	1.0	1.0	1.0
167.5°	1.1	1.0	1.0	1.0	1.0	1.0
168°	1.1	1.0	1.0	1.1	1.0	1.0
168.5°	1.0	1.0	1.0	1.1	1.0	1.0
169°	1.0	1.0	1.0	1.1	1.0	1.0
169.5°	1.0	1.0	1.1	1.1	1.0	1.0
170°	1.0	1.0	1.1	1.1	1.0	1.0
170.5°	1.0	1.0	1.2	1.1	1.0	1.0
171°	1.0	1.0	1.2	1.1	1.0	1.0
171.5°	1.0	1.0	1.2	1.1	1.0	1.0
172°	1.0	1.0	1.2	1.1	1.0	1.0
172.5°	1.0	1.0	1.2	1.1	1.0	1.0
173°	1.0	1.0	1.2	1.1	1.0	1.0
173.5°	1.0	1.0	1.2	1.1	1.0	1.0
174°	1.0	1.0	1.2	1.1	1.0	1.0
174.5°	1.0	1.0	1.2	1.1	1.0	1.0
175°	1.0	1.0	1.2	1.1	1.0	1.0
175.5°	1.0	1.0	1.2	1.1	1.0	1.0
176°	1.0	1.0	1.2	1.1	1.0	1.0
176.5°	1.0	1.0	1.2	1.1	1.0	1.0
177°	1.0	1.0	1.2	1.1	1.0	1.0
177.5°	1.0	1.0	1.2	1.1	1.0	1.0
178°	1.0	1.0	1.2	1.1	1.0	1.0
178.5°	1.0	1.0	1.2	1.1	1.0	1.0
179°	1.0	1.0	1.2	1.1	1.0	1.0
179.5°	1.0	1.0	1.2	1.1	1.0	1.0



TEST NUMBER: P473757

CATALOG NUMBER: HLB6099BLE40AWH-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)