

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: P473758

Luminaire Tested: **HLB6099BLE40AWH-3500K**

Issue Date: 2/2/2021



Test Information

Test Method: LM-79-08
Report Number: P473758
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-3500K
Description: 6in HALO HOME BLADE
Light Source: -
Ballast/Driver: -

Summary

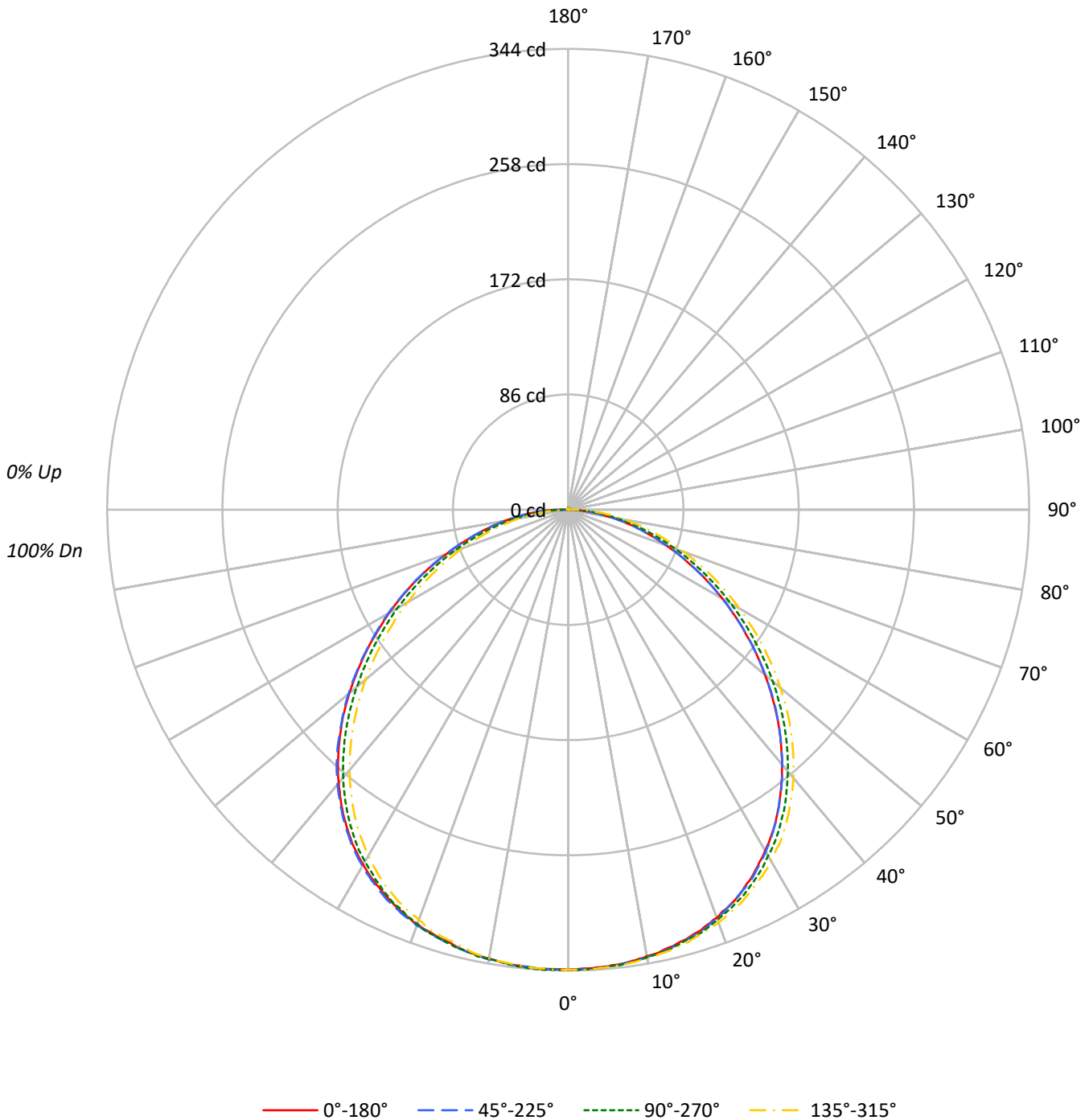
Lumens per Lamp: N/A
Luminaire Lumens: 988.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.38
Luminous Opening: Circular (Dia: 0.5m x H: 0m)
CIE Type: Direct

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

TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

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°	1749	1749	1749	1749
5°	1749	1749	1753	1756
10°	1750	1755	1759	1762
15°	1755	1759	1768	1773
20°	1758	1766	1783	1784
25°	1749	1767	1795	1789
30°	1728	1755	1800	1784
35°	1698	1734	1793	1769
40°	1650	1695	1771	1737
45°	1591	1644	1736	1691
50°	1519	1578	1689	1631
55°	1438	1505	1632	1566
60°	1354	1426	1574	1500
65°	1259	1346	1510	1429
70°	1160	1264	1444	1354
75°	1061	1181	1399	1287
80°	939	1100	1402	1244
85°	736	1028	1566	1268



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	3.3
10°-20°	94.6	9.6
20°-30°	145.5	14.7
30°-40°	175.7	17.8
40°-50°	178.2	18.0
50°-60°	154.7	15.7
60°-70°	114.0	11.5
70°-80°	66.4	6.7
80°-90°	21.9	2.2
90°-100°	0.8	0.1
100°-110°	0.5	0.0
110°-120°	0.5	0.1
120°-130°	0.5	0.0
130°-140°	0.6	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°	272.8	27.6
0°-40°	448.5	45.4
0°-60°	781.4	79.1
0°-90°	983.7	99.6
90°-120°	1.8	0.2
90°-150°	3.4	0.3
90°-180°	4.0	0.4
0°-180°	988.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	344	344	344	344	344	
5°	342	342	343	344	342	33
15°	333	334	335	336	333	94
25°	311	314	319	318	311	143
35°	273	279	288	284	273	171
45°	221	228	241	235	221	170
55°	162	170	184	176	162	145
65°	104	112	125	119	104	104
75°	54	60	71	65	54	57
85°	13	18	27	22	13	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	



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5
0.5°	343.1	343.5	343.4	343.6	343.7	343.1	343.4	343.1	343.1	343.5	343.4
1°	343.2	343.5	343.3	343.5	343.6	343.1	343.5	343.1	343.1	343.5	343.4
1.5°	342.7	343.6	343.4	343.5	343.5	343.1	343.6	343.1	343.1	343.5	343.4
2°	342.7	343.6	343.0	343.4	343.4	343.1	343.6	343.1	343.1	343.5	343.4
2.5°	342.7	343.1	343.0	343.2	343.4	342.8	343.4	343.0	343.1	343.5	343.2
3°	342.7	343.1	343.0	343.2	343.4	342.8	343.4	343.0	343.1	343.5	343.2
3.5°	342.4	343.1	343.0	343.1	343.1	342.5	343.2	342.8	343.2	343.4	343.2
4°	342.3	343.2	342.9	342.9	343.1	342.3	343.0	342.7	343.2	343.2	343.1
4.5°	342.2	343.2	342.7	342.9	343.0	342.3	343.0	342.8	343.0	343.1	342.8
5°	342.2	343.0	342.2	342.8	342.2	342.2	342.8	342.5	342.8	343.0	342.5
5.5°	341.6	342.8	342.2	342.5	342.2	342.2	342.2	342.4	342.8	342.6	342.5
6°	341.6	342.6	342.0	342.5	342.2	341.8	342.2	342.1	342.3	342.5	342.4
6.5°	341.3	341.9	342.0	342.1	342.1	341.8	342.2	341.9	342.3	342.4	342.4
7°	341.2	341.8	341.2	341.9	341.8	341.8	342.1	341.9	342.2	342.3	342.3
7.5°	340.7	341.9	341.0	341.4	341.2	341.5	341.7	341.6	341.7	342.0	342.1
8°	340.2	341.5	340.4	341.4	341.2	341.1	341.3	341.5	341.6	341.5	341.6
8.5°	340.1	341.1	340.3	340.4	340.9	340.9	341.2	341.2	341.4	341.4	341.3
9°	339.4	340.5	340.1	340.2	339.9	340.3	340.7	340.8	340.9	341.3	341.1
9.5°	339.3	339.9	339.9	339.7	339.7	340.2	340.2	340.6	340.7	340.9	340.9
10°	338.4	339.4	339.2	339.5	339.3	339.7	340.3	340.2	340.1	340.6	340.9
10.5°	338.2	338.9	338.8	339.4	338.8	339.5	339.7	339.9	340.0	340.5	340.5
11°	337.9	338.1	338.5	339.0	338.6	338.8	339.6	339.4	339.7	340.2	340.0
11.5°	337.6	338.1	337.4	338.7	337.9	338.3	338.7	339.1	339.5	339.8	339.7
12°	336.6	337.8	337.3	338.0	337.6	337.7	338.3	339.1	338.9	339.5	339.3
12.5°	335.9	336.9	336.8	337.3	337.0	337.3	338.1	338.4	338.7	339.0	338.9
13°	335.3	336.2	336.5	336.9	336.8	336.8	337.7	337.8	338.4	338.7	338.5
13.5°	335.0	335.8	335.7	336.2	335.8	336.3	337.4	337.4	337.5	338.2	337.9
14°	334.1	335.2	334.9	335.2	335.2	335.6	336.7	336.7	337.1	337.8	337.5
14.5°	333.2	334.1	334.5	334.6	334.6	335.1	335.8	336.3	336.4	337.2	336.9
15°	332.8	333.6	333.5	334.0	333.6	334.4	335.3	335.5	335.4	336.7	336.4
15.5°	332.3	333.3	332.9	333.2	332.8	333.8	335.0	334.8	334.6	336.2	335.8
16°	331.2	332.5	332.2	332.6	332.6	333.1	333.8	334.2	334.3	335.7	335.3
16.5°	330.4	331.3	331.2	332.3	332.3	332.2	333.2	333.5	334.1	335.2	334.7
17°	329.7	330.4	330.5	331.3	331.4	331.7	332.5	333.0	333.5	334.5	334.1
17.5°	329.2	329.0	329.7	330.3	330.9	331.1	331.7	332.0	332.7	334.1	333.5
18°	327.7	328.4	329.0	329.3	329.9	330.2	331.2	331.3	331.9	333.3	332.8
18.5°	326.8	327.3	328.2	328.5	329.0	329.4	330.4	330.9	331.4	332.3	332.2
19°	326.1	325.9	326.3	327.6	327.9	328.6	329.5	329.8	331.1	331.8	331.6
19.5°	324.6	325.1	325.4	326.5	326.8	327.7	328.8	329.2	330.1	331.2	330.8
20°	324.4	324.2	324.3	325.4	325.8	326.9	327.9	328.6	329.0	330.6	330.3
20.5°	323.0	323.0	323.4	324.5	324.7	325.9	327.0	327.5	328.9	329.6	329.4
21°	321.1	321.7	322.3	323.2	323.6	324.7	326.1	326.7	327.7	329.0	328.6
21.5°	320.5	320.7	320.9	322.0	322.6	323.7	325.0	326.0	326.7	328.0	327.6
22°	319.7	319.4	319.4	320.9	321.7	322.8	324.0	324.9	325.7	327.2	326.9



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	318.2	318.1	318.6	319.6	320.7	321.9	323.0	324.0	324.8	326.2	326.0
23°	317.1	316.9	316.8	317.9	319.3	320.5	321.9	323.0	323.9	325.2	324.7
23.5°	315.8	315.3	315.6	317.0	318.2	319.3	321.0	321.9	322.8	324.2	324.0
24°	314.6	314.1	314.1	315.6	317.2	318.1	319.9	321.0	321.6	323.4	323.0
24.5°	313.0	312.9	312.8	314.5	315.9	317.0	318.5	319.9	320.5	322.0	321.8
25°	311.2	311.3	311.8	313.3	314.5	315.6	317.2	318.6	319.4	321.1	320.9
25.5°	309.5	309.6	310.1	311.7	313.0	314.4	315.8	317.2	318.2	320.0	319.5
26°	308.3	308.3	309.2	310.0	311.5	312.8	314.5	315.9	316.9	318.7	318.2
26.5°	306.7	306.9	307.5	308.5	310.1	311.4	313.0	314.7	315.6	317.5	316.9
27°	305.0	305.3	305.8	306.9	308.6	309.9	312.0	313.3	314.5	316.1	315.8
27.5°	303.0	303.8	303.9	305.1	307.0	308.6	310.4	311.8	313.0	315.0	314.3
28°	301.2	301.9	302.0	303.3	305.6	307.0	309.1	310.7	312.0	313.5	313.0
28.5°	299.3	300.1	300.4	301.7	304.0	305.6	307.6	309.2	310.5	312.0	311.5
29°	297.8	298.5	298.6	300.0	302.2	304.0	306.3	307.6	309.0	310.6	310.2
29.5°	296.0	296.5	296.8	298.3	300.2	302.4	304.4	306.1	307.4	309.3	308.5
30°	293.9	294.6	295.0	296.5	298.4	300.6	302.6	304.7	306.1	307.6	307.0
30.5°	292.1	292.6	292.8	294.6	296.9	299.0	301.0	303.0	304.6	305.9	305.5
31°	290.3	290.6	291.2	292.7	295.1	297.3	299.4	301.4	303.0	304.2	304.0
31.5°	288.3	288.6	289.0	290.6	293.3	295.7	297.3	299.7	301.2	302.7	302.3
32°	286.3	286.3	286.8	288.5	291.5	293.9	296.0	298.2	299.6	300.9	300.5
32.5°	284.3	284.4	284.7	286.5	289.5	291.8	294.4	296.4	298.0	299.0	299.0
33°	282.3	282.1	282.4	284.2	287.5	290.0	292.5	294.2	296.3	297.4	297.2
33.5°	280.2	279.8	280.2	282.1	285.4	288.0	290.5	292.4	294.2	295.5	295.2
34°	277.7	277.5	278.0	279.9	283.2	285.6	288.5	290.0	292.4	293.6	293.3
34.5°	275.4	275.1	275.6	277.6	281.1	283.8	286.6	288.2	290.4	291.8	291.4
35°	273.1	272.7	273.4	275.2	278.9	281.5	284.1	286.2	288.4	289.9	289.5
35.5°	270.9	270.2	271.2	273.0	276.9	279.3	282.1	284.1	286.4	288.0	287.4
36°	268.4	268.0	268.2	270.6	274.8	276.9	279.9	281.7	284.5	285.9	285.3
36.5°	266.0	265.5	266.2	268.2	272.4	274.7	277.5	280.0	282.4	283.9	283.3
37°	263.6	263.2	263.9	265.8	269.8	272.4	275.3	278.1	280.0	281.6	281.0
37.5°	261.0	260.8	261.4	263.7	267.3	270.5	273.0	276.0	278.0	279.7	278.9
38°	258.5	258.2	258.9	260.9	264.7	268.0	270.7	273.5	275.7	277.4	277.0
38.5°	256.1	255.6	256.4	258.5	262.5	265.7	268.5	271.2	273.4	275.2	274.5
39°	253.6	253.0	253.9	256.0	260.0	263.2	266.3	268.8	271.0	272.8	272.4
39.5°	250.9	250.3	251.2	253.4	257.5	260.8	263.9	266.8	268.9	270.5	270.0
40°	248.2	247.6	248.4	250.6	255.0	258.1	261.5	264.3	266.4	268.1	267.8
40.5°	245.8	245.1	245.8	248.1	252.5	255.6	258.9	261.7	264.1	265.8	265.2
41°	243.0	242.4	243.1	245.3	249.9	253.2	256.5	259.2	261.9	263.3	263.1
41.5°	240.2	239.6	240.3	242.8	247.2	250.4	253.9	257.0	259.2	260.8	260.6
42°	237.4	236.8	237.7	240.1	244.8	247.9	251.2	254.8	256.8	258.4	258.3
42.5°	234.8	234.1	234.9	237.5	241.9	245.2	248.7	252.0	254.3	255.9	255.6
43°	232.1	231.4	232.1	234.7	239.3	242.7	246.1	249.3	251.7	253.3	253.1
43.5°	229.3	228.9	229.6	231.8	236.6	239.9	243.2	246.8	249.0	250.6	250.4
44°	226.6	226.0	226.8	229.2	233.9	237.2	240.6	244.1	246.4	247.9	247.8
44.5°	223.8	223.2	224.0	226.4	231.0	234.5	238.0	241.3	243.8	245.3	245.0



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	220.9	220.5	221.1	223.6	228.2	231.8	235.2	238.6	241.0	242.5	242.2
45.5°	218.0	217.5	218.3	220.7	225.3	228.9	232.4	235.7	238.4	240.0	239.3
46°	215.1	214.6	215.7	217.8	222.6	226.2	229.7	233.0	235.7	237.3	236.7
46.5°	212.2	211.6	212.8	214.9	219.6	223.4	227.1	230.4	233.0	234.4	233.7
47°	209.3	208.7	209.7	212.0	216.7	220.6	224.2	227.9	230.4	231.7	231.0
47.5°	206.3	205.7	206.9	209.2	213.6	217.6	221.3	225.2	227.7	228.9	228.4
48°	203.5	202.7	204.0	206.3	210.7	214.9	218.5	222.1	224.7	226.1	225.6
48.5°	200.5	199.8	200.9	203.1	208.0	211.7	215.7	219.2	222.0	223.2	222.8
49°	197.6	196.9	198.0	200.1	205.2	209.0	212.6	216.3	219.1	220.2	220.0
49.5°	194.7	194.1	195.0	197.2	202.2	206.0	209.5	213.3	216.2	217.3	217.0
50°	191.7	191.0	192.1	194.3	199.2	203.2	206.7	210.2	213.2	214.5	214.0
50.5°	188.9	188.0	189.1	191.4	196.2	200.1	203.7	207.3	210.3	211.5	211.1
51°	185.9	185.0	186.1	188.7	193.4	197.2	200.8	204.7	207.2	208.5	208.1
51.5°	182.9	182.1	183.0	185.5	190.6	194.3	198.0	201.7	204.3	205.6	205.2
52°	179.9	179.0	180.0	182.5	187.5	191.4	195.1	198.6	201.3	202.9	202.2
52.5°	177.0	175.9	177.2	179.4	184.4	188.4	192.1	195.9	198.4	199.9	199.2
53°	174.1	172.9	174.2	176.6	181.5	185.4	189.1	192.9	195.4	197.0	196.4
53.5°	171.1	169.9	171.2	173.5	178.5	182.3	186.2	189.6	192.5	194.1	193.4
54°	168.1	167.0	168.1	170.4	175.4	179.4	183.2	186.8	189.6	191.0	190.4
54.5°	165.0	164.0	165.1	167.3	172.4	176.3	180.3	183.7	186.8	188.1	187.5
55°	162.0	161.1	162.1	164.5	169.5	173.3	177.3	180.8	183.8	185.1	184.5
55.5°	159.3	158.2	159.2	161.4	166.7	170.5	174.2	177.9	180.7	182.0	181.5
56°	156.4	155.3	156.3	158.6	163.3	167.5	171.4	174.7	177.7	179.2	178.6
56.5°	153.5	152.3	153.3	155.7	160.6	164.5	168.4	171.8	174.6	176.0	175.7
57°	150.5	149.2	150.4	152.7	157.7	161.5	165.2	168.9	171.7	173.0	172.6
57.5°	147.4	146.2	147.6	149.6	154.8	158.8	162.2	165.9	168.7	170.1	169.6
58°	144.5	143.5	144.7	146.7	151.7	155.7	159.4	163.0	165.7	167.0	166.7
58.5°	141.6	140.6	141.8	143.9	148.7	152.8	156.6	159.9	162.8	164.0	163.7
59°	138.8	137.8	138.9	141.0	145.9	149.8	153.6	157.3	160.0	161.2	160.9
59.5°	135.8	134.9	135.8	138.1	143.1	146.9	150.7	154.4	157.3	158.4	158.1
60°	132.9	132.0	132.8	135.2	140.0	143.9	147.7	151.5	154.5	155.6	155.2
60.5°	130.0	129.1	130.0	132.1	137.2	141.0	144.8	148.5	151.4	152.5	152.3
61°	127.1	126.4	127.1	129.3	134.4	138.1	141.9	145.6	148.5	149.7	149.3
61.5°	124.4	123.6	124.2	126.4	131.7	135.3	139.1	142.6	145.5	146.7	146.4
62°	121.5	120.8	121.4	123.6	128.7	132.3	136.1	139.8	142.6	143.9	143.5
62.5°	118.6	117.9	118.5	120.8	125.9	129.4	133.3	137.0	139.7	140.9	140.5
63°	115.7	115.2	115.7	117.9	123.0	126.4	130.2	133.9	136.7	137.9	137.5
63.5°	112.9	112.6	112.9	115.1	120.1	123.8	127.4	131.1	133.8	135.0	134.6
64°	110.1	109.7	110.1	112.3	117.3	120.8	125.0	128.2	131.0	132.2	131.7
64.5°	107.2	107.0	107.2	109.4	114.4	118.0	122.1	125.6	128.1	129.3	128.8
65°	104.5	104.2	104.6	106.8	111.7	115.1	119.3	122.7	125.3	126.4	126.0
65.5°	101.7	101.5	101.8	104.0	109.0	112.4	116.4	119.9	122.4	123.6	123.1
66°	99.0	98.8	99.1	101.2	106.1	109.4	113.6	116.9	119.5	120.8	120.2
66.5°	96.2	96.1	96.4	98.4	103.3	106.7	110.8	114.1	116.5	118.0	117.3
67°	93.5	93.3	93.6	95.8	100.6	103.9	108.0	111.3	113.8	115.2	114.5



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	91.1	90.8	91.2	93.0	97.9	101.1	105.1	108.5	111.0	112.5	111.6
68°	88.3	88.2	88.5	90.5	95.3	98.4	102.4	105.7	108.1	109.6	108.8
68.5°	85.9	85.5	85.9	87.9	92.5	95.7	99.7	102.9	105.2	106.8	106.0
69°	83.1	83.0	83.2	85.3	90.1	93.0	97.0	100.2	102.6	104.0	103.2
69.5°	80.4	80.3	80.5	82.7	87.3	90.6	94.3	97.4	99.7	101.3	100.4
70°	77.9	77.7	78.0	80.2	84.9	87.8	91.6	94.8	97.0	98.6	97.6
70.5°	75.4	75.3	75.5	77.6	82.1	85.2	89.3	92.0	94.3	95.8	94.8
71°	72.9	72.7	73.0	75.1	79.6	82.6	86.6	89.5	91.6	93.1	92.1
71.5°	70.3	70.3	70.5	72.5	77.0	80.0	83.9	87.0	89.0	90.6	89.5
72°	67.9	67.7	68.0	70.1	74.6	77.4	81.3	84.3	86.3	88.0	86.9
72.5°	65.4	65.3	65.6	67.5	72.0	74.9	78.6	81.7	83.8	85.4	84.2
73°	63.0	62.8	63.3	65.2	69.5	72.4	76.1	79.0	81.2	82.7	81.6
73.5°	60.7	60.5	60.9	62.7	67.0	69.8	73.6	76.5	78.5	80.1	79.0
74°	58.4	58.2	58.5	60.4	64.6	67.5	71.2	74.0	76.1	77.5	76.4
74.5°	56.3	55.9	56.3	58.1	62.1	65.0	68.7	71.5	73.5	75.0	73.9
75°	53.9	53.5	54.0	55.9	60.0	62.6	66.2	69.0	71.1	72.5	71.4
75.5°	51.8	51.2	51.9	53.5	57.5	60.2	63.8	66.6	68.6	69.9	68.9
76°	49.3	49.0	49.6	51.3	55.2	57.9	61.4	64.2	66.2	67.4	66.4
76.5°	47.2	46.7	47.3	48.9	52.9	55.7	59.0	61.8	63.7	65.0	64.0
77°	44.9	44.6	45.0	46.7	50.8	53.4	56.8	59.4	61.3	62.6	61.6
77.5°	42.7	42.3	42.9	44.6	48.5	51.3	54.4	57.1	59.0	60.2	59.3
78°	40.5	40.2	40.7	42.3	46.3	49.0	52.2	54.9	56.8	57.8	57.0
78.5°	38.4	38.0	38.5	40.2	44.0	46.7	49.9	52.6	54.5	55.5	54.7
79°	36.3	35.8	36.3	38.0	41.9	44.6	47.7	50.4	52.2	53.2	52.3
79.5°	34.2	33.7	34.3	35.9	39.6	42.5	45.5	48.2	50.0	51.0	50.1
80°	32.0	31.6	32.2	33.7	37.5	40.3	43.4	46.0	47.8	48.7	48.0
80.5°	29.9	29.5	30.0	31.7	35.4	38.3	41.2	43.7	45.6	46.4	45.7
81°	27.9	27.4	28.0	29.5	33.3	36.2	39.0	41.6	43.4	44.2	43.5
81.5°	25.9	25.3	26.0	27.5	31.2	34.1	36.9	39.4	41.2	42.0	41.2
82°	23.9	23.4	24.0	25.5	29.1	32.0	34.8	37.2	39.0	39.8	39.2
82.5°	22.0	21.6	22.2	23.6	27.2	29.9	32.7	35.2	37.0	37.8	37.1
83°	20.2	19.6	20.2	21.7	25.2	28.0	30.7	33.1	34.9	35.6	35.0
83.5°	18.2	17.8	18.3	19.7	23.2	26.0	28.6	31.0	32.9	33.5	32.9
84°	16.3	15.8	16.3	17.8	21.3	24.0	26.6	29.0	30.8	31.4	30.9
84.5°	14.4	14.0	14.5	15.9	19.4	22.2	24.7	27.0	28.8	29.4	28.9
85°	12.6	12.1	12.6	14.0	17.6	20.3	22.7	25.0	26.8	27.5	26.9
85.5°	10.7	10.2	10.8	12.2	15.7	18.3	21.0	23.1	24.8	25.4	24.9
86°	8.9	8.4	8.9	10.3	13.9	16.4	19.0	21.4	22.8	23.4	22.9
86.5°	7.1	6.5	7.0	8.5	12.2	14.5	17.1	19.4	21.1	21.5	21.1
87°	5.3	4.6	5.1	6.7	10.4	12.8	15.3	17.5	19.1	19.6	19.2
87.5°	3.4	2.9	3.3	4.9	8.5	10.9	13.7	15.7	17.3	17.8	17.2
88°	1.9	1.6	1.8	3.1	6.7	9.3	11.6	13.9	15.4	16.0	15.4
88.5°	0.9	0.8	0.9	1.5	4.9	7.4	9.9	12.0	13.6	14.1	13.6
89°	0.7	0.6	0.7	0.7	3.1	5.7	8.1	10.3	11.7	12.1	11.6
89.5°	0.5	0.6	0.6	0.5	1.7	4.0	6.4	8.5	10.0	10.4	9.9



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

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	2.3	4.7	6.8	8.2	8.6	8.0
90.5°	0.5	0.6	0.5	0.6	0.4	0.8	3.0	5.1	6.5	6.9	6.2
91°	0.5	0.5	0.5	0.5	0.4	0.5	1.5	3.3	4.8	5.1	4.5
91.5°	0.5	0.5	0.5	0.5	0.3	0.5	0.5	1.7	2.9	3.3	2.6
92°	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.7	1.3	1.5	0.9
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	0.5	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: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

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	0.7	0.5	0.5	0.6	0.5	0.5
119°	0.5	0.5	0.5	0.5	0.4	0.7	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	0.7	0.6	0.5	0.5
120.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.5	0.5
121°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.5	0.5
121.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.5	0.5
122°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.5	0.5
122.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.5	0.6
123°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.7	0.6
123.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.7	0.6	0.6	0.6
124°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.7	0.6	0.6	0.6
124.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.7	0.6	0.6	0.6
125°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.7	0.6	0.6	0.6
125.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.7	0.6	0.6	0.6
126°	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.7	0.6	0.6	0.6
126.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.7	0.6	0.6	0.6
127°	0.5	0.5	0.5	0.5	0.4	0.8	0.5	0.7	0.7	0.6	0.6
127.5°	0.5	0.5	0.5	0.5	0.4	0.8	0.5	0.7	0.7	0.6	0.6
128°	0.5	0.5	0.5	0.5	0.4	0.7	0.5	0.7	0.7	0.6	0.6
128.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.7	0.7	0.6	0.6
129°	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.7	0.7	0.6	0.6
129.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.7	0.7	0.7	0.7	0.6
130°	0.5	0.5	0.5	0.5	0.4	0.7	0.7	0.7	0.7	0.7	0.6
130.5°	0.5	0.5	0.5	0.5	0.4	0.7	0.7	0.7	0.7	0.7	0.6
131°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.6
131.5°	0.5	0.5	0.6	0.5	0.4	0.7	0.7	0.7	0.7	0.7	0.6
132°	0.6	0.5	0.6	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.6
132.5°	0.6	0.5	0.7	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.6
133°	0.7	0.5	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6
133.5°	0.7	0.5	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6
134°	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.6
134.5°	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.6



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.8	0.9	0.9	0.9	0.6	0.7	0.7	0.7	0.8	0.7	0.6
135.5°	0.9	0.9	0.9	0.9	0.6	0.7	0.7	0.7	0.7	0.7	0.6
136°	0.9	0.9	0.9	0.9	0.6	0.7	0.7	0.7	0.7	0.7	0.6
136.5°	0.9	1.0	0.9	0.9	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	0.7	0.8	0.8	0.7	0.7	0.7	0.6
138°	0.9	1.0	1.1	1.0	0.7	0.9	0.8	0.7	0.7	0.7	0.6
138.5°	1.1	1.0	1.1	1.0	0.7	0.9	0.8	0.8	0.8	0.7	0.7
139°	1.0	1.1	1.1	1.1	0.7	0.8	0.8	0.8	0.8	0.7	0.7
139.5°	1.0	1.1	1.1	1.1	0.7	0.8	0.8	0.8	0.8	0.7	0.7
140°	1.0	1.1	1.1	1.1	0.7	0.8	0.8	0.9	0.8	0.8	0.7
140.5°	1.0	1.1	1.1	1.1	0.6	0.8	0.8	0.8	0.8	0.8	0.7
141°	1.0	1.1	1.1	1.1	0.7	0.8	0.8	0.8	0.8	0.8	0.7
141.5°	1.0	1.1	1.1	1.1	0.7	0.8	0.8	0.9	0.8	0.8	0.7
142°	1.0	1.1	1.1	1.1	0.7	0.8	0.8	0.9	0.8	0.8	0.9
142.5°	1.0	1.1	1.1	1.1	0.7	0.8	0.8	0.9	0.8	0.8	0.9
143°	1.0	1.1	1.1	1.1	0.7	0.9	0.8	0.9	0.8	0.8	0.8
143.5°	1.0	1.1	1.1	1.1	0.7	0.8	0.9	0.9	0.9	0.8	0.8
144°	1.0	1.1	1.1	1.1	0.7	0.9	0.9	0.9	0.8	0.8	0.8
144.5°	1.0	1.1	1.1	1.1	0.7	0.9	0.9	0.9	0.9	0.8	0.8
145°	1.0	1.1	1.1	1.1	0.7	0.9	0.9	0.9	0.9	0.9	0.8
145.5°	1.0	1.1	1.1	1.1	0.7	0.9	0.9	0.9	0.9	0.9	0.9
146°	1.0	1.1	1.1	1.1	0.7	0.9	0.9	0.9	0.9	0.9	0.9
146.5°	1.0	1.1	1.1	1.1	0.8	1.0	0.9	0.9	0.9	0.9	0.9
147°	1.0	1.1	1.1	1.1	0.8	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	1.0	1.1	1.1	1.1	0.8	0.9	0.9	0.9	1.0	0.9	0.9
148°	1.0	1.1	1.1	1.1	0.8	0.9	0.8	0.9	1.0	0.9	0.9
148.5°	1.0	1.1	1.1	1.1	0.8	0.9	0.8	1.0	0.9	0.9	0.9
149°	1.0	1.1	1.1	1.1	0.8	1.0	0.8	0.9	0.9	0.9	0.9
149.5°	1.0	1.1	1.1	1.1	0.8	1.0	0.8	1.0	0.9	0.9	0.9
150°	1.0	1.1	1.1	1.1	0.9	1.0	0.9	1.0	0.9	0.9	0.9
150.5°	1.0	1.1	1.1	1.1	0.9	1.1	0.7	1.0	1.0	1.0	0.9
151°	1.0	1.1	1.1	1.1	0.9	1.1	0.6	1.1	1.0	0.9	1.0
151.5°	1.0	1.1	1.1	1.1	1.0	1.1	0.5	1.0	1.0	1.0	0.9
152°	1.0	1.1	1.1	1.1	0.9	1.1	1.1	1.0	1.0	1.0	1.0
152.5°	1.0	1.1	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.0	1.0
153°	1.0	1.1	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.0	1.0
153.5°	1.0	1.1	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.0	1.0
154°	1.0	1.1	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.0	1.0
154.5°	1.0	1.1	1.1	1.1	0.9	1.2	1.2	1.2	1.1	1.0	1.0
155°	1.0	1.1	1.1	1.1	1.0	1.2	1.2	1.2	1.1	1.1	1.1
155.5°	1.0	1.1	1.1	1.1	0.9	1.1	1.2	1.1	1.1	1.1	1.1
156°	1.0	1.1	1.1	1.1	0.9	1.1	1.3	1.1	1.1	1.1	1.1
156.5°	1.0	1.1	1.1	1.1	0.9	1.2	1.3	1.1	1.1	1.1	1.2
157°	1.0	1.1	1.1	1.1	1.0	1.3	1.2	1.1	1.1	1.1	1.2



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

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: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	343.5	343.5	343.5	343.5	343.5	343.5
0.5°	343.6	343.6	343.2	343.4	343.1	343.1
1°	343.3	343.7	343.2	343.4	342.6	343.2
1.5°	343.3	343.7	343.2	343.5	342.7	342.7
2°	343.4	343.7	343.2	343.4	342.7	342.7
2.5°	343.3	343.8	343.2	343.2	342.9	342.7
3°	343.3	343.8	343.2	343.2	342.9	342.7
3.5°	343.3	343.8	343.3	343.0	342.1	342.4
4°	343.3	343.6	343.3	343.1	342.1	342.3
4.5°	343.3	343.6	343.0	342.9	342.1	342.2
5°	343.4	343.5	342.7	342.9	342.1	342.2
5.5°	343.3	343.0	342.8	342.6	341.7	341.6
6°	342.6	343.0	342.5	342.4	341.5	341.6
6.5°	342.4	343.0	341.9	342.0	341.3	341.3
7°	341.9	342.4	342.0	341.8	341.2	341.2
7.5°	341.9	342.4	341.9	341.4	341.0	340.7
8°	341.8	341.9	341.5	341.2	340.5	340.2
8.5°	341.5	341.5	341.2	341.1	339.8	340.1
9°	341.3	341.0	340.9	340.9	339.8	339.4
9.5°	341.1	340.7	340.9	340.3	339.4	339.3
10°	340.3	340.7	340.4	340.1	338.8	338.4
10.5°	340.3	340.5	339.9	339.8	338.7	338.2
11°	339.9	340.2	339.7	339.1	338.5	337.9
11.5°	339.6	340.2	339.0	338.8	337.8	337.6
12°	339.2	339.2	338.3	338.3	337.2	336.6
12.5°	338.7	338.5	337.6	337.7	336.7	335.9
13°	338.3	338.2	337.0	336.7	336.0	335.3
13.5°	338.0	337.7	336.7	336.5	335.6	335.0
14°	337.6	337.5	336.3	335.4	334.7	334.1
14.5°	337.4	337.2	336.0	334.8	334.3	333.2
15°	336.6	336.2	335.1	333.7	333.8	332.8
15.5°	336.1	335.4	334.6	333.5	332.8	332.3
16°	335.8	335.0	333.8	332.9	332.2	331.2
16.5°	335.1	334.2	333.1	332.4	331.7	330.4
17°	334.6	333.9	332.8	331.5	331.0	329.7
17.5°	333.7	333.2	331.9	330.7	329.8	329.2
18°	333.2	332.9	330.7	330.3	328.8	327.7
18.5°	332.3	332.0	330.1	328.9	327.9	326.8
19°	331.8	331.1	329.5	328.2	326.8	326.1
19.5°	330.8	330.5	328.3	326.7	326.0	324.6
20°	329.9	329.2	327.4	326.0	324.9	324.4
20.5°	329.2	328.1	326.5	324.6	323.7	323.0
21°	328.3	327.2	325.5	324.1	322.9	321.1
21.5°	327.2	326.5	324.2	323.0	321.7	320.5
22°	326.3	325.3	323.1	321.9	320.4	319.7



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	325.5	323.6	322.0	320.9	319.3	318.2
23°	324.7	322.7	320.9	319.5	318.1	317.1
23.5°	323.5	322.1	319.5	318.4	316.9	315.8
24°	322.3	321.1	318.4	317.1	315.7	314.6
24.5°	321.2	319.7	317.4	315.7	313.9	313.0
25°	319.9	318.4	316.1	314.3	312.3	311.2
25.5°	318.7	317.0	314.6	313.1	310.8	309.5
26°	317.6	315.8	313.6	311.7	309.3	308.3
26.5°	316.1	314.0	312.2	310.2	307.6	306.7
27°	314.7	312.5	310.7	308.4	306.2	305.0
27.5°	313.5	311.3	308.8	307.1	304.7	303.0
28°	312.0	309.4	307.6	305.1	303.0	301.2
28.5°	310.6	307.8	305.9	303.6	301.2	299.3
29°	309.2	306.6	304.5	302.1	299.5	297.8
29.5°	307.7	304.8	302.5	300.1	297.9	296.0
30°	306.0	303.3	301.0	298.2	296.0	293.9
30.5°	304.6	301.6	299.0	296.6	294.0	292.1
31°	303.0	300.0	297.0	294.4	292.1	290.3
31.5°	301.2	298.5	295.0	292.5	290.1	288.3
32°	299.3	296.7	293.6	290.5	288.1	286.3
32.5°	297.7	294.8	291.1	288.6	285.8	284.3
33°	296.0	292.6	289.6	286.6	283.6	282.3
33.5°	294.3	290.7	287.7	284.7	281.6	280.2
34°	292.5	288.5	285.5	282.5	279.5	277.7
34.5°	290.6	286.7	283.2	280.3	277.5	275.4
35°	288.6	284.5	281.0	278.1	275.1	273.1
35.5°	286.5	282.4	278.9	275.7	272.9	270.9
36°	284.4	280.2	276.6	273.4	270.5	268.4
36.5°	282.1	278.0	274.5	271.2	268.1	266.0
37°	279.9	275.7	272.2	268.7	265.5	263.6
37.5°	277.6	273.3	269.8	266.2	263.3	261.0
38°	275.3	270.9	267.5	263.7	260.7	258.5
38.5°	273.1	268.6	265.0	261.4	258.3	256.1
39°	270.8	266.3	262.7	258.9	255.7	253.6
39.5°	268.5	263.8	260.0	256.2	253.1	250.9
40°	266.2	261.2	257.5	253.8	250.6	248.2
40.5°	263.7	258.6	255.1	251.2	247.8	245.8
41°	261.4	256.1	252.4	248.5	245.3	243.0
41.5°	258.9	253.5	249.8	246.0	242.6	240.2
42°	256.4	251.0	247.1	243.2	239.8	237.4
42.5°	253.9	248.3	244.4	240.5	237.3	234.8
43°	251.2	245.5	241.8	237.7	234.4	232.1
43.5°	248.5	243.0	239.1	234.9	231.6	229.3
44°	245.8	240.3	236.3	232.0	228.9	226.6
44.5°	242.9	237.4	233.4	229.2	226.1	223.8



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	240.1	234.8	230.6	226.4	223.1	220.9
45.5°	237.4	232.0	227.9	223.5	220.3	218.0
46°	234.6	229.2	224.9	220.8	217.4	215.1
46.5°	231.9	226.3	222.1	217.8	214.5	212.2
47°	229.1	223.6	219.2	215.1	211.6	209.3
47.5°	226.4	220.8	216.4	212.0	208.6	206.3
48°	223.7	217.6	213.4	209.0	205.7	203.5
48.5°	220.8	214.8	210.5	206.0	202.9	200.5
49°	217.8	211.9	207.8	203.3	199.9	197.6
49.5°	214.8	208.9	204.9	200.3	197.0	194.7
50°	211.7	205.9	201.9	197.3	194.3	191.7
50.5°	208.8	202.8	199.0	194.5	191.2	188.9
51°	205.9	199.9	195.9	191.5	188.3	185.9
51.5°	202.9	197.2	193.1	188.4	185.2	182.9
52°	200.1	194.2	190.2	185.3	182.1	179.9
52.5°	197.0	191.0	187.3	182.3	179.1	177.0
53°	194.0	188.1	184.3	179.2	176.1	174.1
53.5°	191.0	185.1	181.1	176.5	173.2	171.1
54°	188.0	182.5	178.3	173.5	170.1	168.1
54.5°	185.0	179.3	175.4	170.5	167.3	165.0
55°	182.1	176.4	172.3	167.5	164.3	162.0
55.5°	179.0	173.6	169.3	164.6	161.3	159.3
56°	176.1	170.5	166.3	161.5	158.6	156.4
56.5°	173.2	167.6	163.4	158.9	155.6	153.5
57°	170.1	164.6	160.5	155.9	152.5	150.5
57.5°	167.3	161.7	157.5	153.1	149.7	147.4
58°	164.3	158.7	154.6	150.2	147.0	144.5
58.5°	161.3	155.9	151.7	147.5	143.9	141.6
59°	158.5	153.0	148.8	144.4	140.9	138.8
59.5°	155.5	150.3	146.0	141.5	138.0	135.8
60°	152.6	147.3	143.1	138.6	135.2	132.9
60.5°	149.7	144.3	140.1	135.7	132.4	130.0
61°	146.8	141.4	137.1	132.7	129.5	127.1
61.5°	143.8	138.5	134.1	130.1	126.6	124.4
62°	140.9	135.6	131.4	127.0	123.9	121.5
62.5°	137.9	132.8	128.5	124.5	121.0	118.6
63°	135.0	129.8	125.7	121.5	118.0	115.7
63.5°	132.2	126.9	122.9	118.8	115.1	112.9
64°	129.3	124.0	120.1	115.8	112.4	110.1
64.5°	126.4	121.5	117.1	113.2	109.5	107.2
65°	123.7	118.6	114.3	110.3	106.7	104.5
65.5°	120.8	115.6	111.3	107.6	104.0	101.7
66°	117.8	112.8	108.7	104.7	101.2	99.0
66.5°	114.9	110.1	105.7	102.0	98.4	96.2
67°	112.1	107.5	102.9	99.2	95.7	93.5



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	109.2	104.5	100.1	96.5	93.0	91.1
68°	106.4	101.6	97.4	93.7	90.5	88.3
68.5°	103.7	98.9	94.6	91.3	87.9	85.9
69°	100.9	96.3	92.2	88.7	85.2	83.1
69.5°	98.2	93.4	89.5	86.0	82.6	80.4
70°	95.6	90.9	86.9	83.3	80.0	77.9
70.5°	92.7	88.4	84.2	80.7	77.5	75.4
71°	90.3	85.7	81.6	78.1	74.9	72.9
71.5°	87.6	83.0	79.0	75.6	72.4	70.3
72°	85.0	80.3	76.4	73.1	69.9	67.9
72.5°	82.4	77.8	73.9	70.6	67.5	65.4
73°	79.8	75.3	71.4	68.2	65.1	63.0
73.5°	77.2	72.9	68.9	65.8	62.8	60.7
74°	74.6	70.4	66.5	63.4	60.4	58.4
74.5°	72.1	67.9	64.1	61.1	58.1	56.3
75°	69.6	65.4	61.7	58.7	55.8	53.9
75.5°	67.2	63.0	59.4	56.4	53.6	51.8
76°	64.8	60.7	57.3	54.2	51.4	49.3
76.5°	62.2	58.2	54.9	51.9	49.0	47.2
77°	60.0	56.0	52.5	49.5	46.7	44.9
77.5°	57.6	53.8	50.3	47.1	44.5	42.7
78°	55.4	51.4	48.1	45.0	42.2	40.5
78.5°	53.1	49.2	45.8	42.7	40.2	38.4
79°	50.8	46.9	43.7	40.6	37.9	36.3
79.5°	48.5	44.7	41.4	38.3	35.7	34.2
80°	46.3	42.4	39.2	36.1	33.6	32.0
80.5°	44.1	40.2	37.0	34.0	31.5	29.9
81°	41.9	38.1	34.9	31.9	29.4	27.9
81.5°	39.7	35.9	32.9	29.8	27.4	25.9
82°	37.5	33.8	30.8	27.7	25.4	23.9
82.5°	35.4	31.6	28.6	25.7	23.4	22.0
83°	33.4	29.6	26.5	23.7	21.5	20.2
83.5°	31.3	27.4	24.6	21.8	19.6	18.2
84°	29.1	25.4	22.6	19.9	17.6	16.3
84.5°	27.2	23.5	20.8	18.0	15.8	14.4
85°	25.2	21.7	18.7	16.0	13.9	12.6
85.5°	23.2	19.7	16.8	14.2	12.0	10.7
86°	21.4	17.7	14.9	12.3	10.3	8.9
86.5°	19.5	15.6	13.1	10.5	8.4	7.1
87°	17.4	13.8	11.2	8.7	6.7	5.3
87.5°	15.7	12.0	9.4	6.8	4.8	3.4
88°	13.7	10.1	7.5	5.0	3.0	1.9
88.5°	11.9	8.2	5.8	3.2	1.6	0.9
89°	10.1	6.5	3.8	1.8	0.8	0.7
89.5°	8.2	4.7	2.1	0.7	0.6	0.5



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	6.4	2.8	0.8	0.7	0.6	0.6
90.5°	4.6	1.3	0.6	0.5	0.6	0.5
91°	2.6	0.6	0.7	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: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

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°	0.7	0.5	0.5	0.5	0.5	0.5
123°	0.7	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°	0.7	0.5	0.5	0.5	0.5	0.5
128°	0.7	0.5	0.5	0.5	0.5	0.5
128.5°	0.7	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°	0.7	0.5	0.5	0.5	0.5	0.5
130°	0.7	0.5	0.5	0.5	0.5	0.5
130.5°	0.7	0.5	0.5	0.5	0.5	0.5
131°	0.7	0.5	0.6	0.5	0.5	0.5
131.5°	0.7	0.5	0.6	0.5	0.5	0.5
132°	0.7	0.5	0.6	0.5	0.5	0.6
132.5°	0.7	0.5	0.6	0.6	0.5	0.6
133°	0.7	0.5	0.7	0.6	0.6	0.7
133.5°	0.7	0.5	0.7	0.6	0.7	0.7
134°	0.7	0.6	0.7	0.7	0.7	0.7
134.5°	0.7	0.6	0.7	0.7	0.7	0.8



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.7	0.6	0.7	0.8	0.7	0.8
135.5°	0.7	0.7	0.7	0.8	0.8	0.9
136°	0.7	0.7	0.9	0.9	0.9	0.9
136.5°	0.7	0.7	0.9	0.9	0.9	0.9
137°	0.7	0.7	0.9	0.9	0.9	0.9
137.5°	0.7	0.7	0.9	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	1.1
139°	0.8	0.7	1.0	0.9	1.0	1.0
139.5°	0.7	0.9	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	0.9	0.9	0.9	1.0	1.0
141.5°	0.7	0.9	0.9	0.9	1.0	1.0
142°	0.7	0.9	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	1.1	1.0	1.0	1.0
143.5°	0.8	1.0	1.1	1.0	1.0	1.0
144°	0.8	1.0	1.0	1.0	1.0	1.0
144.5°	0.9	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°	0.9	1.0	1.0	1.0	1.0	1.0
147°	0.9	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	1.1	1.0	1.0	1.0
152.5°	1.1	1.0	1.1	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	1.1	1.0	1.0	1.0
155°	1.1	1.0	1.1	1.0	1.0	1.0
155.5°	1.1	1.0	1.1	1.0	1.0	1.0
156°	1.1	1.0	1.1	1.0	1.0	1.0
156.5°	1.1	1.0	1.1	1.0	1.0	1.0
157°	1.1	1.0	1.1	1.0	1.0	1.0



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.1	1.0	1.1	1.0	1.0	1.0
158°	1.1	1.0	1.1	1.0	1.0	1.0
158.5°	1.1	1.0	1.1	1.0	1.0	1.0
159°	1.1	1.0	1.1	1.0	1.0	1.0
159.5°	1.1	1.0	1.1	1.0	1.0	1.0
160°	1.1	1.0	1.1	1.0	1.0	1.0
160.5°	1.1	1.0	1.1	1.0	1.0	1.0
161°	1.1	1.0	1.1	1.0	1.0	1.0
161.5°	1.2	1.0	1.1	1.0	1.0	1.0
162°	1.2	1.0	1.1	1.0	1.0	1.0
162.5°	1.1	1.0	1.1	1.0	1.0	1.0
163°	1.1	1.0	1.1	1.0	1.0	1.0
163.5°	1.1	1.0	1.1	1.0	1.0	1.0
164°	1.1	1.0	1.1	1.0	1.0	1.0
164.5°	1.1	1.0	1.1	1.0	1.0	1.0
165°	1.1	1.0	1.1	1.0	1.0	1.0
165.5°	1.1	1.0	1.1	1.0	1.0	1.0
166°	1.2	1.0	1.1	1.0	1.0	1.0
166.5°	1.2	1.0	1.1	1.0	1.0	1.0
167°	1.1	1.0	1.1	1.1	1.0	1.0
167.5°	1.1	1.0	1.1	1.1	1.0	1.0
168°	1.1	1.0	1.1	1.1	1.0	1.0
168.5°	1.1	1.0	1.1	1.1	1.0	1.0
169°	1.1	1.0	1.1	1.1	1.0	1.0
169.5°	1.1	1.0	1.1	1.1	1.0	1.0
170°	1.1	1.0	1.1	1.1	1.0	1.0
170.5°	1.1	1.0	1.2	1.1	1.0	1.0
171°	1.1	1.0	1.3	1.1	1.0	1.0
171.5°	1.1	1.0	1.2	1.1	1.0	1.0
172°	1.1	1.0	1.2	1.1	1.0	1.0
172.5°	1.1	1.0	1.2	1.1	1.0	1.0
173°	1.1	1.0	1.2	1.1	1.0	1.0
173.5°	1.1	1.0	1.2	1.1	1.0	1.0
174°	1.1	1.0	1.2	1.1	1.0	1.0
174.5°	1.1	1.0	1.2	1.1	1.0	1.0
175°	1.1	1.0	1.2	1.1	1.0	1.0
175.5°	1.1	1.0	1.2	1.1	1.0	1.0
176°	1.1	1.0	1.2	1.1	1.0	1.0
176.5°	1.1	1.0	1.2	1.1	1.0	1.0
177°	1.1	1.0	1.2	1.1	1.0	1.0
177.5°	1.1	1.0	1.2	1.1	1.0	1.0
178°	1.1	1.0	1.2	1.1	1.0	1.0
178.5°	1.1	1.0	1.2	1.1	1.0	1.0
179°	1.1	1.0	1.2	1.1	1.0	1.0
179.5°	1.1	1.0	1.2	1.1	1.0	1.0



TEST NUMBER: P473758

CATALOG NUMBER: HLB6099BLE40AWH-3500K

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)