

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: P473760

Luminaire Tested: **HLB6099BLE40AWH-5000K**

Issue Date: 2/2/2021



Test Information

Test Method: LM-79-08
Report Number: P473760
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-5000K
Description: 6in HALO HOME BLADE
Light Source: -
Ballast/Driver: -

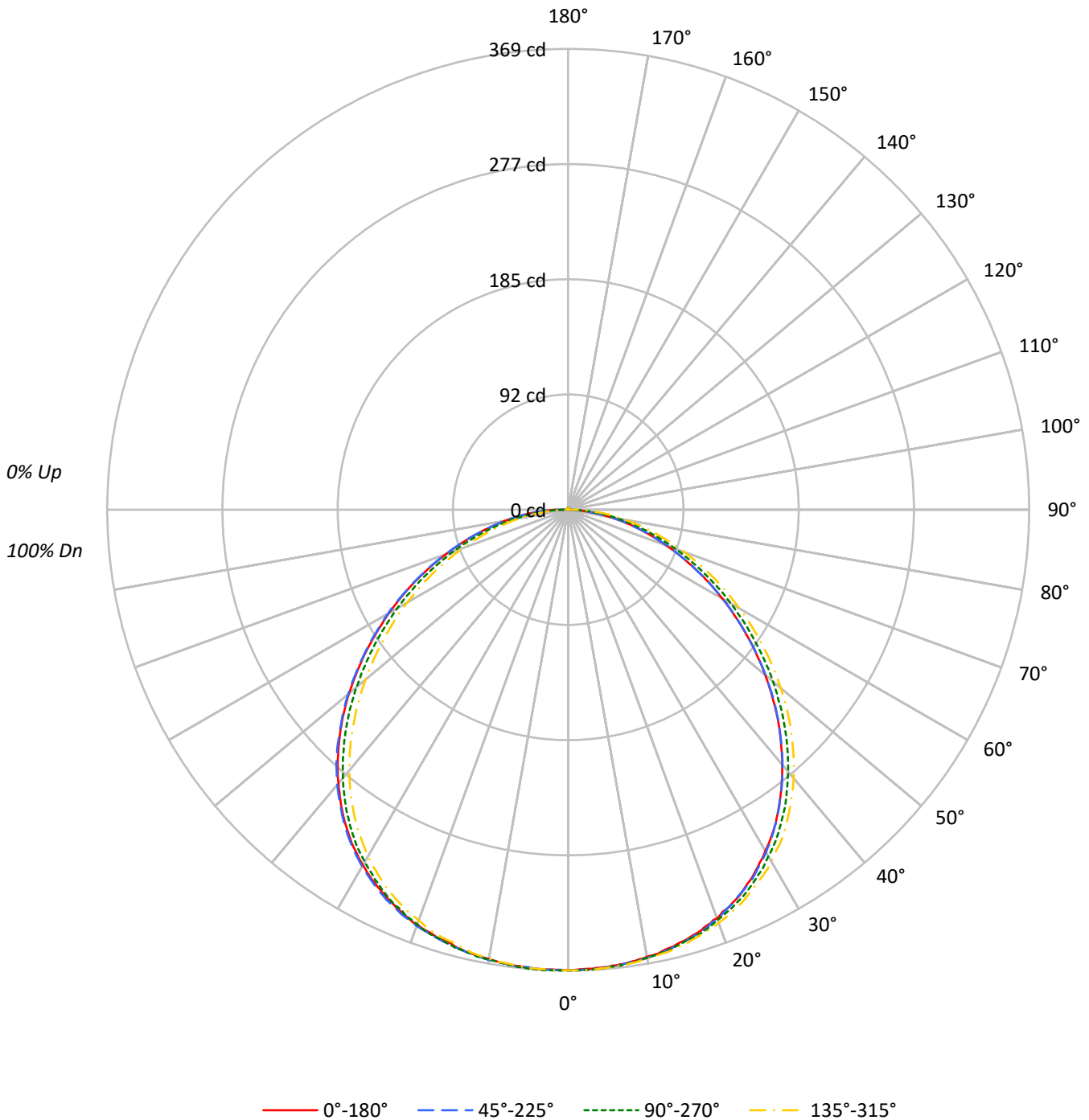
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1061.0 lumens
Efficiency: N/A
Efficacy: 78.6 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): 13.5
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	1879	1879	1879	1879
5°	1879	1879	1882	1886
10°	1879	1884	1889	1892
15°	1884	1889	1899	1904
20°	1888	1896	1915	1916
25°	1878	1898	1927	1921
30°	1856	1885	1933	1915
35°	1824	1862	1926	1899
40°	1772	1820	1902	1865
45°	1708	1765	1864	1816
50°	1631	1696	1814	1752
55°	1545	1616	1753	1683
60°	1454	1532	1690	1610
65°	1352	1446	1622	1534
70°	1245	1358	1552	1453
75°	1139	1269	1501	1383
80°	1009	1182	1505	1337
85°	789	1104	1683	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	3.3
10°-20°	101.6	9.6
20°-30°	156.3	14.7
30°-40°	188.7	17.8
40°-50°	191.4	18.0
50°-60°	166.1	15.7
60°-70°	122.4	11.5
70°-80°	71.4	6.7
80°-90°	23.5	2.2
90°-100°	0.8	0.1
100°-110°	0.5	0.0
110°-120°	0.5	0.1
120°-130°	0.5	0.1
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°	292.9	27.6
0°-40°	481.6	45.4
0°-60°	839.1	79.1
0°-90°	1056.4	99.6
90°-120°	1.9	0.2
90°-150°	3.7	0.3
90°-180°	5.0	0.5
0°-180°	1061.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	369	369	369	369	369	
5°	368	368	368	369	368	35
15°	357	358	360	361	357	101
25°	334	338	343	342	334	154
35°	293	300	310	306	293	183
45°	237	245	259	252	237	183
55°	174	182	197	190	174	156
65°	112	120	135	127	112	111
75°	58	64	76	70	58	61
85°	14	19	29	23	14	15
90°	1	0	9	3	1	1
95°	0	0	0	1	0	0
105°	0	0	0	1	0	1
115°	0	0	1	1	0	0
125°	0	0	1	1	0	0
135°	1	1	1	1	1	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
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°	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9
0.5°	368.5	368.9	368.8	368.9	369.1	368.5	368.8	368.4	368.5	368.9	368.7
1°	368.5	368.9	368.7	368.9	369.0	368.5	368.9	368.4	368.5	368.9	368.7
1.5°	368.0	368.9	368.7	368.9	368.9	368.5	369.0	368.4	368.5	368.9	368.7
2°	368.0	368.9	368.4	368.7	368.7	368.4	368.9	368.5	368.5	368.9	368.7
2.5°	368.0	368.5	368.4	368.6	368.7	368.1	368.8	368.5	368.5	368.9	368.7
3°	368.0	368.4	368.4	368.6	368.7	368.1	368.7	368.3	368.5	368.9	368.5
3.5°	367.7	368.4	368.3	368.5	368.5	367.9	368.6	368.1	368.5	368.7	368.5
4°	367.6	368.5	368.2	368.2	368.4	367.6	368.3	368.1	368.5	368.6	368.5
4.5°	367.5	368.5	368.0	368.2	368.3	367.6	368.3	368.1	368.3	368.4	368.1
5°	367.5	368.3	367.5	368.1	367.5	367.4	368.1	367.8	368.1	368.4	367.8
5.5°	366.8	368.2	367.5	367.8	367.5	367.4	367.5	367.7	368.1	367.9	367.8
6°	366.8	367.9	367.2	367.8	367.4	367.1	367.5	367.4	367.6	367.8	367.7
6.5°	366.5	367.1	367.3	367.4	367.4	367.0	367.4	367.1	367.6	367.7	367.7
7°	366.4	367.1	366.4	367.2	367.0	367.0	367.4	367.1	367.5	367.6	367.6
7.5°	365.9	367.1	366.2	366.7	366.4	366.7	367.0	366.9	366.9	367.3	367.3
8°	365.4	366.7	365.5	366.6	366.4	366.4	366.5	366.7	366.9	366.8	366.8
8.5°	365.2	366.3	365.5	365.5	366.1	366.0	366.4	366.4	366.6	366.6	366.6
9°	364.5	365.6	365.2	365.3	365.1	365.4	365.9	366.0	366.1	366.5	366.3
9.5°	364.4	365.0	365.0	364.8	364.8	365.3	365.4	365.7	365.8	366.1	366.1
10°	363.4	364.5	364.2	364.6	364.3	364.8	365.4	365.3	365.3	365.8	366.1
10.5°	363.2	363.9	363.9	364.5	363.8	364.6	364.8	365.0	365.1	365.7	365.7
11°	362.9	363.1	363.5	364.0	363.6	363.9	364.7	364.4	364.8	365.3	365.1
11.5°	362.6	363.0	362.3	363.7	362.8	363.3	363.7	364.2	364.6	364.9	364.8
12°	361.4	362.7	362.3	363.0	362.6	362.7	363.3	364.1	363.9	364.6	364.3
12.5°	360.7	361.8	361.6	362.2	361.9	362.2	363.1	363.4	363.7	364.0	364.0
13°	360.1	361.1	361.3	361.8	361.7	361.7	362.6	362.8	363.4	363.7	363.5
13.5°	359.8	360.6	360.5	361.0	360.6	361.1	362.4	362.3	362.5	363.2	362.9
14°	358.7	360.0	359.7	359.9	360.0	360.4	361.6	361.6	362.0	362.7	362.4
14.5°	357.9	358.7	359.2	359.3	359.3	359.9	360.6	361.1	361.3	362.2	361.8
15°	357.4	358.3	358.1	358.7	358.3	359.1	360.0	360.3	360.1	361.6	361.3
15.5°	356.9	357.9	357.5	357.9	357.4	358.4	359.7	359.6	359.3	361.0	360.6
16°	355.7	357.1	356.8	357.2	357.1	357.7	358.5	358.9	359.0	360.6	360.1
16.5°	354.8	355.7	355.7	356.9	356.8	356.8	357.8	358.1	358.8	359.9	359.5
17°	354.1	354.8	354.9	355.8	355.8	356.2	357.1	357.7	358.2	359.2	358.8
17.5°	353.5	353.3	354.0	354.7	355.3	355.5	356.2	356.6	357.3	358.8	358.1
18°	351.9	352.7	353.3	353.6	354.3	354.6	355.7	355.8	356.4	357.9	357.4
18.5°	350.9	351.4	352.4	352.8	353.3	353.7	354.8	355.4	355.9	356.9	356.7
19°	350.2	349.9	350.4	351.8	352.1	352.9	353.8	354.2	355.5	356.3	356.1
19.5°	348.5	349.1	349.4	350.6	350.9	351.9	353.1	353.6	354.5	355.7	355.3
20°	348.4	348.1	348.3	349.5	349.8	351.1	352.1	352.9	353.3	355.0	354.7
20.5°	346.9	346.8	347.3	348.5	348.7	350.0	351.2	351.7	353.3	354.0	353.7
21°	344.9	345.5	346.1	347.1	347.5	348.7	350.2	350.8	351.9	353.3	352.8
21.5°	344.2	344.4	344.6	345.8	346.4	347.6	349.1	350.0	350.9	352.2	351.8
22°	343.3	343.0	343.0	344.6	345.5	346.6	347.9	348.9	349.8	351.4	351.0



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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°	341.7	341.6	342.1	343.2	344.4	345.7	346.9	347.9	348.8	350.3	350.1
23°	340.5	340.4	340.2	341.4	342.9	344.2	345.7	346.8	347.9	349.3	348.7
23.5°	339.2	338.6	338.9	340.4	341.7	342.9	344.7	345.6	346.6	348.2	348.0
24°	337.9	337.3	337.3	338.9	340.6	341.6	343.6	344.7	345.3	347.3	346.9
24.5°	336.1	336.0	335.9	337.7	339.3	340.4	342.1	343.5	344.2	345.7	345.6
25°	334.2	334.3	334.8	336.4	337.7	338.9	340.6	342.1	343.0	344.8	344.6
25.5°	332.4	332.5	333.0	334.7	336.2	337.7	339.2	340.7	341.7	343.6	343.1
26°	331.0	331.1	332.0	332.9	334.6	335.9	337.7	339.3	340.3	342.3	341.7
26.5°	329.4	329.6	330.3	331.3	333.0	334.4	336.1	337.9	338.9	341.0	340.3
27°	327.5	327.9	328.4	329.6	331.4	332.8	335.0	336.4	337.8	339.4	339.1
27.5°	325.4	326.2	326.3	327.6	329.7	331.4	333.3	334.8	336.1	338.2	337.6
28°	323.5	324.2	324.3	325.7	328.2	329.7	331.9	333.7	335.1	336.6	336.1
28.5°	321.5	322.3	322.6	324.0	326.5	328.2	330.4	332.1	333.4	335.0	334.5
29°	319.8	320.6	320.7	322.2	324.5	326.4	329.0	330.3	331.9	333.5	333.1
29.5°	317.8	318.4	318.8	320.4	322.4	324.7	326.9	328.7	330.1	332.1	331.3
30°	315.6	316.4	316.8	318.4	320.5	322.8	324.9	327.2	328.7	330.3	329.7
30.5°	313.7	314.3	314.5	316.4	318.8	321.1	323.3	325.4	327.1	328.5	328.0
31°	311.8	312.1	312.7	314.3	316.9	319.3	321.5	323.7	325.4	326.7	326.4
31.5°	309.6	309.9	310.4	312.1	315.0	317.5	319.3	321.8	323.4	325.1	324.7
32°	307.5	307.5	308.0	309.9	313.1	315.6	317.8	320.2	321.7	323.1	322.7
32.5°	305.3	305.4	305.8	307.6	310.9	313.3	316.1	318.3	320.1	321.1	321.0
33°	303.1	303.0	303.2	305.2	308.7	311.4	314.1	315.9	318.2	319.4	319.1
33.5°	300.9	300.4	300.9	303.0	306.4	309.2	312.0	314.0	315.9	317.4	317.0
34°	298.2	298.0	298.5	300.6	304.1	306.7	309.8	311.4	314.0	315.3	315.0
34.5°	295.8	295.4	296.0	298.1	301.9	304.7	307.8	309.5	311.8	313.4	313.0
35°	293.3	292.8	293.6	295.5	299.5	302.3	305.1	307.4	309.7	311.3	310.8
35.5°	290.9	290.2	291.2	293.1	297.3	300.0	302.9	305.1	307.6	309.2	308.7
36°	288.2	287.8	288.0	290.6	295.1	297.4	300.6	302.6	305.5	307.1	306.4
36.5°	285.7	285.1	285.9	288.0	292.5	295.0	298.0	300.7	303.3	304.8	304.2
37°	283.0	282.6	283.4	285.5	289.7	292.6	295.6	298.6	300.7	302.5	301.7
37.5°	280.3	280.0	280.7	283.1	287.1	290.4	293.2	296.3	298.5	300.3	299.5
38°	277.5	277.3	278.0	280.2	284.2	287.8	290.7	293.7	296.0	297.9	297.4
38.5°	275.0	274.5	275.3	277.5	281.9	285.3	288.3	291.2	293.6	295.5	294.7
39°	272.3	271.7	272.6	274.9	279.2	282.7	286.0	288.7	291.0	292.9	292.5
39.5°	269.4	268.8	269.8	272.1	276.5	280.1	283.4	286.6	288.8	290.5	289.9
40°	266.6	265.9	266.8	269.2	273.8	277.2	280.9	283.8	286.1	288.0	287.5
40.5°	264.0	263.2	264.0	266.4	271.1	274.5	278.0	281.0	283.6	285.4	284.8
41°	260.9	260.4	261.0	263.5	268.3	271.9	275.4	278.4	281.2	282.8	282.5
41.5°	257.9	257.3	258.1	260.7	265.5	269.0	272.6	276.0	278.3	280.1	279.8
42°	254.9	254.3	255.3	257.8	262.9	266.2	269.8	273.6	275.8	277.5	277.3
42.5°	252.1	251.4	252.3	255.0	259.8	263.4	267.1	270.6	273.1	274.8	274.5
43°	249.2	248.5	249.3	252.0	257.0	260.6	264.3	267.7	270.3	272.0	271.8
43.5°	246.2	245.8	246.5	249.0	254.1	257.6	261.2	265.0	267.4	269.1	269.0
44°	243.4	242.7	243.5	246.1	251.1	254.7	258.4	262.1	264.6	266.2	266.1
44.5°	240.4	239.7	240.5	243.1	248.0	251.8	255.6	259.1	261.8	263.4	263.1



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CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	237.2	236.8	237.5	240.1	245.0	248.9	252.5	256.3	258.8	260.5	260.1
45.5°	234.1	233.5	234.5	237.0	242.0	245.8	249.6	253.1	256.0	257.7	257.0
46°	231.0	230.4	231.6	233.9	239.1	242.9	246.7	250.2	253.2	254.8	254.1
46.5°	227.8	227.3	228.5	230.8	235.9	239.9	243.9	247.5	250.2	251.8	251.0
47°	224.8	224.1	225.2	227.7	232.7	236.9	240.7	244.7	247.4	248.8	248.1
47.5°	221.6	220.9	222.2	224.6	229.4	233.6	237.6	241.8	244.5	245.8	245.3
48°	218.5	217.7	219.1	221.5	226.2	230.8	234.7	238.5	241.3	242.8	242.3
48.5°	215.4	214.5	215.8	218.2	223.4	227.3	231.6	235.4	238.4	239.6	239.3
49°	212.2	211.4	212.6	214.9	220.3	224.4	228.3	232.3	235.3	236.4	236.3
49.5°	209.1	208.5	209.4	211.7	217.1	221.2	224.9	229.1	232.2	233.4	233.1
50°	205.8	205.1	206.3	208.7	214.0	218.2	221.9	225.8	228.9	230.3	229.8
50.5°	202.8	201.9	203.1	205.5	210.7	214.9	218.8	222.6	225.8	227.1	226.7
51°	199.7	198.7	199.9	202.6	207.7	211.8	215.6	219.9	222.5	224.0	223.5
51.5°	196.4	195.5	196.6	199.2	204.7	208.7	212.6	216.6	219.4	220.8	220.4
52°	193.2	192.3	193.3	196.0	201.3	205.6	209.5	213.3	216.2	217.9	217.2
52.5°	190.1	188.9	190.3	192.7	198.0	202.3	206.3	210.4	213.0	214.7	213.9
53°	186.9	185.7	187.1	189.6	194.9	199.1	203.1	207.2	209.8	211.5	210.9
53.5°	183.8	182.5	183.8	186.3	191.6	195.8	200.0	203.6	206.7	208.4	207.7
54°	180.6	179.3	180.5	182.9	188.4	192.6	196.7	200.7	203.6	205.2	204.4
54.5°	177.2	176.1	177.3	179.7	185.1	189.3	193.6	197.3	200.6	202.0	201.4
55°	174.0	173.0	174.1	176.6	182.0	186.1	190.4	194.1	197.4	198.8	198.2
55.5°	171.1	169.9	171.0	173.3	179.0	183.1	187.1	191.0	194.1	195.5	194.9
56°	168.0	166.8	167.9	170.3	175.4	179.9	184.0	187.6	190.8	192.4	191.8
56.5°	164.8	163.5	164.7	167.2	172.5	176.6	180.8	184.4	187.6	189.0	188.7
57°	161.6	160.2	161.6	163.9	169.4	173.4	177.4	181.3	184.4	185.8	185.3
57.5°	158.3	157.0	158.5	160.6	166.2	170.5	174.2	178.2	181.1	182.7	182.2
58°	155.2	154.1	155.4	157.6	162.9	167.2	171.2	175.0	178.0	179.3	179.0
58.5°	152.1	151.0	152.3	154.5	159.7	164.1	168.1	171.8	174.9	176.1	175.7
59°	149.0	148.0	149.1	151.4	156.7	160.9	164.9	168.9	171.8	173.1	172.8
59.5°	145.9	144.9	145.8	148.3	153.6	157.7	161.8	165.8	168.9	170.1	169.8
60°	142.7	141.7	142.6	145.2	150.4	154.5	158.6	162.7	165.9	167.1	166.7
60.5°	139.6	138.6	139.6	141.9	147.3	151.5	155.5	159.5	162.6	163.8	163.6
61°	136.4	135.8	136.5	138.8	144.4	148.3	152.4	156.3	159.4	160.8	160.3
61.5°	133.6	132.7	133.4	135.7	141.4	145.3	149.3	153.2	156.3	157.6	157.2
62°	130.5	129.8	130.4	132.7	138.3	142.1	146.2	150.2	153.1	154.5	154.1
62.5°	127.4	126.7	127.3	129.7	135.2	139.0	143.1	147.1	150.0	151.3	150.9
63°	124.2	123.7	124.2	126.6	132.1	135.8	139.8	143.8	146.7	148.1	147.7
63.5°	121.2	120.9	121.3	123.6	128.9	132.9	136.9	140.8	143.7	145.0	144.5
64°	118.2	117.8	118.2	120.6	125.9	129.7	134.2	137.7	140.7	141.9	141.4
64.5°	115.2	114.9	115.2	117.4	122.9	126.7	131.1	134.9	137.6	138.8	138.4
65°	112.2	111.9	112.3	114.7	120.0	123.6	128.1	131.8	134.6	135.7	135.3
65.5°	109.2	109.0	109.4	111.7	117.0	120.7	125.0	128.7	131.5	132.7	132.2
66°	106.3	106.1	106.4	108.6	114.0	117.5	122.0	125.5	128.3	129.7	129.1
66.5°	103.3	103.2	103.5	105.7	111.0	114.6	119.0	122.6	125.1	126.7	125.9
67°	100.4	100.2	100.6	102.9	108.1	111.6	116.0	119.5	122.2	123.7	122.9



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	97.8	97.5	97.9	99.9	105.1	108.6	112.9	116.5	119.2	120.8	119.8
68°	94.9	94.7	95.1	97.2	102.3	105.6	110.0	113.5	116.0	117.7	116.8
68.5°	92.2	91.8	92.2	94.4	99.3	102.7	107.0	110.5	113.0	114.7	113.8
69°	89.3	89.1	89.3	91.6	96.7	99.9	104.2	107.6	110.2	111.7	110.8
69.5°	86.3	86.2	86.5	88.9	93.8	97.2	101.3	104.6	107.1	108.8	107.8
70°	83.6	83.4	83.8	86.1	91.2	94.3	98.4	101.8	104.2	105.9	104.8
70.5°	80.9	80.8	81.1	83.3	88.2	91.5	95.8	98.8	101.3	102.9	101.8
71°	78.2	78.1	78.3	80.6	85.5	88.7	93.0	96.1	98.4	100.0	98.9
71.5°	75.5	75.4	75.7	77.9	82.7	85.9	90.1	93.4	95.6	97.3	96.1
72°	72.9	72.7	73.0	75.3	80.1	83.1	87.3	90.6	92.7	94.5	93.3
72.5°	70.2	70.1	70.5	72.5	77.4	80.4	84.5	87.8	90.0	91.7	90.4
73°	67.7	67.5	67.9	70.0	74.6	77.8	81.7	84.9	87.2	88.8	87.6
73.5°	65.2	64.9	65.4	67.4	72.0	75.0	79.1	82.2	84.3	86.0	84.9
74°	62.8	62.5	62.8	64.8	69.4	72.4	76.4	79.5	81.7	83.2	82.1
74.5°	60.4	60.1	60.5	62.4	66.7	69.9	73.8	76.8	78.9	80.5	79.3
75°	57.9	57.5	58.0	60.0	64.5	67.3	71.1	74.1	76.3	77.8	76.7
75.5°	55.6	55.0	55.7	57.4	61.7	64.7	68.5	71.5	73.7	75.1	74.0
76°	53.0	52.6	53.3	55.1	59.3	62.2	65.9	68.9	71.0	72.4	71.3
76.5°	50.7	50.2	50.8	52.5	56.8	59.8	63.3	66.3	68.4	69.7	68.7
77°	48.2	47.9	48.3	50.2	54.5	57.3	61.0	63.8	65.9	67.2	66.2
77.5°	45.9	45.4	46.1	47.9	52.0	55.1	58.5	61.3	63.3	64.6	63.6
78°	43.5	43.2	43.7	45.4	49.7	52.6	56.1	59.0	61.0	62.1	61.2
78.5°	41.2	40.8	41.3	43.2	47.2	50.2	53.6	56.5	58.5	59.6	58.7
79°	39.0	38.5	39.0	40.8	45.0	47.9	51.2	54.1	56.0	57.2	56.2
79.5°	36.7	36.2	36.8	38.6	42.5	45.6	48.8	51.8	53.7	54.7	53.8
80°	34.4	33.9	34.5	36.2	40.3	43.3	46.6	49.4	51.3	52.3	51.5
80.5°	32.2	31.6	32.3	34.0	38.0	41.1	44.3	46.9	49.0	49.9	49.1
81°	30.0	29.4	30.1	31.7	35.8	38.9	41.9	44.7	46.6	47.4	46.7
81.5°	27.8	27.2	27.9	29.5	33.5	36.6	39.6	42.3	44.2	45.1	44.3
82°	25.6	25.2	25.8	27.3	31.3	34.4	37.3	40.0	41.9	42.8	42.1
82.5°	23.7	23.2	23.8	25.3	29.2	32.1	35.1	37.8	39.7	40.6	39.8
83°	21.7	21.0	21.7	23.3	27.1	30.0	32.9	35.6	37.5	38.3	37.6
83.5°	19.6	19.1	19.6	21.2	24.9	27.9	30.7	33.3	35.3	36.0	35.3
84°	17.5	17.0	17.5	19.1	22.9	25.7	28.6	31.1	33.1	33.7	33.2
84.5°	15.5	15.0	15.6	17.0	20.9	23.8	26.5	29.0	31.0	31.6	31.1
85°	13.5	12.9	13.5	15.0	18.9	21.8	24.4	26.8	28.8	29.5	28.8
85.5°	11.5	11.0	11.6	13.1	16.9	19.6	22.5	24.8	26.6	27.3	26.7
86°	9.6	9.0	9.5	11.1	14.9	17.7	20.4	23.0	24.5	25.1	24.5
86.5°	7.6	7.0	7.5	9.1	13.1	15.6	18.4	20.8	22.6	23.1	22.7
87°	5.7	4.9	5.5	7.2	11.1	13.7	16.5	18.8	20.6	21.1	20.6
87.5°	3.6	3.1	3.5	5.2	9.1	11.7	14.7	16.8	18.6	19.1	18.5
88°	2.0	1.7	2.0	3.3	7.2	10.0	12.5	14.9	16.5	17.2	16.5
88.5°	1.0	0.9	0.9	1.6	5.3	8.0	10.6	12.9	14.6	15.1	14.6
89°	0.8	0.7	0.7	0.7	3.4	6.1	8.7	11.1	12.6	13.0	12.4
89.5°	0.6	0.7	0.7	0.6	1.8	4.3	6.9	9.1	10.8	11.1	10.6



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.6	0.6	0.7	0.6	0.4	2.4	5.1	7.3	8.8	9.3	8.6
90.5°	0.5	0.6	0.6	0.6	0.4	0.9	3.2	5.4	7.0	7.4	6.7
91°	0.5	0.6	0.6	0.6	0.4	0.5	1.7	3.6	5.1	5.4	4.8
91.5°	0.6	0.6	0.6	0.6	0.4	0.5	0.6	1.9	3.1	3.5	2.7
92°	0.5	0.5	0.6	0.6	0.4	0.4	0.3	0.7	1.4	1.6	0.9
92.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.3	0.5	0.4	0.5	0.4
93°	0.5	0.5	0.6	0.6	0.4	0.4	0.3	0.4	0.4	0.4	0.4
93.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.4
94°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.4
94.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.4
95°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.4
95.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.4
96°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.4
96.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.5
97°	0.5	0.5	0.6	0.6	0.4	0.4	0.2	0.4	0.4	0.4	0.5
97.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
98°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
98.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.3	0.4	0.4	0.4	0.4
99°	0.5	0.5	0.6	0.6	0.4	0.4	0.3	0.4	0.4	0.4	0.4
99.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
100°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
100.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
101°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
101.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
102°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.5	0.4
102.5°	0.5	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.5	0.4
103°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
103.5°	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
104°	0.5	0.5	0.6	0.6	0.4	0.5	0.4	0.4	0.4	0.4	0.4
104.5°	0.5	0.5	0.6	0.6	0.4	0.5	0.4	0.4	0.4	0.4	0.4
105°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.4	0.4	0.4	0.4
105.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.4	0.4	0.4	0.4
106°	0.5	0.5	0.6	0.6	0.4	0.5	0.4	0.4	0.4	0.4	0.4
106.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.4	0.4	0.5
107°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.4	0.4	0.5
107.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.4	0.4	0.6
108°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.4	0.4	0.6
108.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.5	0.4	0.5
109°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.5	0.4	0.5
109.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.6	0.4	0.5
110°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.6	0.4	0.5
110.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.5	0.4	0.5
111°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.6	0.5	0.4	0.5
111.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.6	0.5	0.4	0.5
112°	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.6	0.5	0.4	0.5



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

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	0.6	0.6	0.4	0.6	0.5	0.6	0.5	0.5	0.5
113°	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.6	0.6	0.5	0.5
113.5°	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.6	0.6	0.5	0.5
114°	0.5	0.5	0.6	0.6	0.4	0.6	0.6	0.6	0.6	0.5	0.5
114.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.6	0.6	0.6	0.5	0.5
115°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.5
115.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.5
116°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.5
116.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.5
117°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.5
117.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.5
118°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.7	0.5	0.5
118.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.6	0.7	0.5	0.5
119°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.5	0.5
119.5°	0.5	0.5	0.6	0.6	0.4	0.8	0.5	0.7	0.7	0.5	0.5
120°	0.5	0.5	0.6	0.6	0.4	0.8	0.5	0.7	0.7	0.5	0.6
120.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.5	0.6
121°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.5	0.6
121.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.6	0.6
122°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.6	0.6
122.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.6	0.7
123°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.7	0.7
123.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.5	0.7	0.7	0.7	0.7
124°	0.5	0.5	0.6	0.6	0.4	0.7	0.6	0.7	0.7	0.7	0.7
124.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.6	0.8	0.7	0.7	0.7
125°	0.5	0.5	0.6	0.6	0.4	0.7	0.6	0.8	0.7	0.7	0.7
125.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.7	0.7	0.7	0.7	0.7
126°	0.5	0.5	0.6	0.6	0.4	0.7	0.7	0.7	0.7	0.7	0.7
126.5°	0.5	0.5	0.6	0.6	0.4	0.7	0.6	0.7	0.7	0.7	0.7
127°	0.5	0.5	0.6	0.6	0.4	0.9	0.6	0.7	0.7	0.7	0.7
127.5°	0.5	0.5	0.6	0.6	0.4	0.9	0.6	0.7	0.7	0.7	0.7
128°	0.5	0.5	0.6	0.6	0.4	0.8	0.6	0.7	0.7	0.7	0.7
128.5°	0.5	0.5	0.6	0.6	0.4	0.8	0.7	0.7	0.7	0.7	0.7
129°	0.5	0.5	0.6	0.6	0.4	0.8	0.7	0.7	0.7	0.7	0.7
129.5°	0.5	0.5	0.6	0.6	0.4	0.8	0.8	0.7	0.7	0.7	0.7
130°	0.5	0.5	0.6	0.6	0.4	0.8	0.8	0.7	0.7	0.7	0.7
130.5°	0.6	0.5	0.6	0.6	0.4	0.8	0.7	0.7	0.7	0.7	0.7
131°	0.6	0.5	0.6	0.6	0.5	0.8	0.7	0.8	0.7	0.8	0.7
131.5°	0.6	0.5	0.6	0.6	0.4	0.8	0.7	0.8	0.7	0.7	0.7
132°	0.7	0.5	0.7	0.7	0.6	0.8	0.7	0.8	0.7	0.7	0.7
132.5°	0.7	0.6	0.8	0.7	0.6	0.8	0.7	0.8	0.7	0.7	0.7
133°	0.7	0.6	0.8	0.7	0.7	0.8	0.7	0.8	0.7	0.7	0.7
133.5°	0.7	0.5	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.7	0.7
134°	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7
134.5°	0.9	0.9	0.9	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.9	0.9	1.0	0.9	0.7	0.8	0.8	0.8	0.9	0.8	0.7
135.5°	1.0	0.9	0.9	0.9	0.7	0.8	0.8	0.8	0.8	0.8	0.7
136°	1.0	0.9	1.0	0.9	0.7	0.8	0.8	0.8	0.8	0.8	0.7
136.5°	1.0	1.1	1.0	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.7
137°	1.0	1.1	1.0	1.0	0.8	0.9	0.9	0.8	0.8	0.8	0.7
137.5°	1.0	1.1	1.0	1.0	0.7	0.9	0.9	0.8	0.8	0.8	0.7
138°	1.0	1.1	1.1	1.1	0.8	0.9	0.9	0.8	0.8	0.8	0.7
138.5°	1.1	1.1	1.1	1.1	0.8	0.9	0.9	0.9	0.9	0.8	0.7
139°	1.1	1.1	1.2	1.2	0.7	0.9	0.9	0.9	0.9	0.8	0.7
139.5°	1.1	1.2	1.2	1.2	0.7	0.9	0.9	0.9	0.9	0.8	0.7
140°	1.1	1.2	1.1	1.2	0.7	0.9	0.9	0.9	0.9	0.9	0.8
140.5°	1.1	1.2	1.1	1.2	0.7	0.9	0.9	0.9	0.9	0.9	0.8
141°	1.1	1.2	1.1	1.2	0.8	0.9	0.9	0.9	0.9	0.9	0.8
141.5°	1.1	1.2	1.1	1.2	0.8	0.9	0.9	0.9	0.9	0.9	0.8
142°	1.1	1.2	1.1	1.2	0.7	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	1.1	1.2	1.1	1.2	0.8	0.9	0.9	0.9	0.9	0.9	0.9
143°	1.1	1.2	1.1	1.2	0.8	0.9	0.9	0.9	0.9	0.9	0.9
143.5°	1.1	1.2	1.1	1.2	0.8	0.9	0.9	0.9	0.9	0.9	0.9
144°	1.1	1.2	1.1	1.2	0.8	1.0	0.9	0.9	0.9	0.9	0.9
144.5°	1.1	1.2	1.1	1.2	0.8	1.0	0.9	0.9	1.0	0.9	0.9
145°	1.1	1.2	1.1	1.2	0.8	0.9	1.0	0.9	1.0	0.9	0.9
145.5°	1.1	1.2	1.1	1.2	0.8	0.9	0.9	0.9	0.9	0.9	0.9
146°	1.1	1.2	1.1	1.2	0.8	1.0	0.9	0.9	0.9	0.9	0.9
146.5°	1.1	1.2	1.1	1.2	0.9	1.1	0.9	0.9	1.0	0.9	0.9
147°	1.1	1.2	1.1	1.2	0.9	1.0	0.9	1.0	1.0	0.9	0.9
147.5°	1.1	1.2	1.1	1.2	0.9	1.0	1.0	1.0	1.1	0.9	0.9
148°	1.1	1.2	1.1	1.2	0.9	1.0	0.9	1.0	1.1	0.9	0.9
148.5°	1.1	1.2	1.1	1.2	0.9	1.0	0.9	1.1	1.0	0.9	0.9
149°	1.1	1.2	1.1	1.2	0.9	1.1	0.9	1.0	1.0	1.0	0.9
149.5°	1.1	1.2	1.1	1.2	0.9	1.1	0.9	1.1	1.0	1.0	1.0
150°	1.1	1.2	1.1	1.2	0.9	1.1	0.9	1.1	1.0	1.0	1.0
150.5°	1.1	1.2	1.1	1.2	0.9	1.1	0.8	1.1	1.1	1.1	1.0
151°	1.1	1.2	1.1	1.2	1.0	1.1	0.6	1.1	1.1	1.0	1.1
151.5°	1.1	1.2	1.1	1.2	1.1	1.1	0.5	1.1	1.1	1.1	1.0
152°	1.1	1.2	1.1	1.2	1.0	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	1.2	1.1	1.2	1.0	1.1	1.1	1.1	1.1	1.1	1.1
153°	1.1	1.2	1.1	1.2	1.0	1.1	1.2	1.1	1.1	1.1	1.1
153.5°	1.1	1.2	1.1	1.2	1.0	1.2	1.2	1.1	1.1	1.1	1.1
154°	1.1	1.2	1.1	1.2	1.0	1.2	1.2	1.2	1.1	1.1	1.1
154.5°	1.1	1.2	1.1	1.2	1.0	1.3	1.3	1.3	1.1	1.1	1.1
155°	1.1	1.2	1.1	1.2	1.1	1.3	1.3	1.3	1.1	1.2	1.1
155.5°	1.1	1.2	1.1	1.2	1.0	1.2	1.3	1.2	1.1	1.2	1.2
156°	1.1	1.2	1.1	1.2	0.9	1.2	1.4	1.2	1.1	1.2	1.2
156.5°	1.1	1.2	1.1	1.2	1.0	1.2	1.4	1.2	1.1	1.2	1.3
157°	1.1	1.2	1.1	1.2	1.1	1.4	1.3	1.2	1.1	1.2	1.3



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.1	1.2	1.1	1.2	1.1	1.4	1.3	1.2	1.1	1.2	1.2
158°	1.1	1.2	1.1	1.2	1.0	1.4	1.3	1.3	1.1	1.2	1.2
158.5°	1.1	1.2	1.1	1.2	0.9	1.4	1.3	1.3	1.1	1.2	1.2
159°	1.1	1.2	1.1	1.2	0.9	1.4	1.3	1.1	1.1	1.2	1.2
159.5°	1.1	1.2	1.1	1.2	0.9	1.4	1.3	1.2	1.1	1.2	1.2
160°	1.1	1.2	1.1	1.2	0.9	1.4	1.3	1.2	1.1	1.2	1.3
160.5°	1.1	1.2	1.1	1.2	0.9	1.5	1.3	1.2	1.1	1.2	1.3
161°	1.1	1.2	1.1	1.2	1.3	1.5	1.3	1.2	1.1	1.1	1.3
161.5°	1.1	1.2	1.1	1.2	1.2	1.1	1.3	1.2	1.1	1.1	1.3
162°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.3
162.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.3
163°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.3
163.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.3
164°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
164.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
165°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
165.5°	1.1	1.2	1.1	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
166°	1.1	1.2	1.1	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
166.5°	1.1	1.2	1.1	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
167°	1.1	1.2	1.1	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
167.5°	1.1	1.2	1.1	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
168°	1.1	1.2	1.1	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
168.5°	1.1	1.2	1.1	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
169°	1.1	1.2	1.1	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
169.5°	1.1	1.2	1.1	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
170°	1.1	1.2	1.1	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
170.5°	1.1	1.2	1.1	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
171°	1.1	1.2	1.1	1.2	1.3	1.1	1.3	1.2	1.1	1.1	1.4
171.5°	1.1	1.2	1.1	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
172°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
172.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
173°	1.1	1.2	1.1	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
173.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
174°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
174.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
175°	1.1	1.2	1.1	1.2	1.3	1.1	1.3	1.2	1.1	1.1	1.4
175.5°	1.1	1.2	1.1	1.2	1.3	1.1	1.3	1.2	1.1	1.1	1.4
176°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
176.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
177°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
177.5°	1.1	1.2	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
178°	1.1	1.4	1.1	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
178.5°	1.1	1.4	1.1	1.2	1.2	1.1	1.3	1.2	1.1	1.1	1.4
179°	1.1	1.4	1.1	1.2	1.2	1.1	1.3	1.2	1.1	1.1	1.4
179.5°	1.1	1.4	1.1	1.2	1.2	1.1	1.3	1.2	1.1	1.1	1.4



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	368.9	368.9	368.9	368.9	368.9	368.9
0.5°	369.0	369.0	368.5	368.8	368.4	368.5
1°	368.7	369.1	368.5	368.8	367.9	368.5
1.5°	368.7	369.1	368.6	368.9	368.0	368.0
2°	368.7	369.1	368.6	368.8	368.0	368.0
2.5°	368.7	369.2	368.6	368.5	368.2	368.0
3°	368.7	369.2	368.6	368.5	368.2	368.0
3.5°	368.7	369.2	368.7	368.4	367.4	367.7
4°	368.7	369.0	368.7	368.5	367.4	367.6
4.5°	368.7	369.0	368.3	368.2	367.4	367.5
5°	368.7	368.9	368.0	368.2	367.4	367.5
5.5°	368.7	368.3	368.1	367.9	367.0	366.8
6°	367.9	368.3	367.8	367.7	366.8	366.8
6.5°	367.7	368.3	367.2	367.3	366.5	366.5
7°	367.1	367.7	367.2	367.0	366.4	366.4
7.5°	367.1	367.7	367.2	366.6	366.2	365.9
8°	367.1	367.2	366.7	366.4	365.7	365.4
8.5°	366.7	366.7	366.4	366.3	364.9	365.2
9°	366.6	366.2	366.1	366.1	364.9	364.5
9.5°	366.3	365.9	366.1	365.4	364.5	364.4
10°	365.5	365.9	365.5	365.3	363.9	363.4
10.5°	365.4	365.6	365.0	364.9	363.7	363.2
11°	365.0	365.3	364.8	364.2	363.5	362.9
11.5°	364.7	365.3	364.0	363.8	362.7	362.6
12°	364.3	364.3	363.3	363.3	362.1	361.4
12.5°	363.7	363.6	362.6	362.7	361.6	360.7
13°	363.3	363.2	361.9	361.6	360.8	360.1
13.5°	363.0	362.7	361.6	361.3	360.4	359.8
14°	362.6	362.4	361.2	360.2	359.5	358.7
14.5°	362.3	362.1	360.8	359.6	359.0	357.9
15°	361.4	361.1	359.9	358.4	358.4	357.4
15.5°	360.9	360.2	359.3	358.1	357.4	356.9
16°	360.6	359.8	358.5	357.5	356.8	355.7
16.5°	359.8	358.9	357.7	357.0	356.2	354.8
17°	359.3	358.6	357.4	356.0	355.5	354.1
17.5°	358.4	357.8	356.5	355.1	354.1	353.5
18°	357.8	357.4	355.2	354.7	353.0	351.9
18.5°	356.8	356.5	354.5	353.2	352.2	350.9
19°	356.3	355.6	353.8	352.5	350.9	350.2
19.5°	355.3	355.0	352.5	350.9	350.0	348.5
20°	354.3	353.5	351.6	350.1	348.9	348.4
20.5°	353.5	352.3	350.6	348.6	347.7	346.9
21°	352.5	351.3	349.6	348.0	346.8	344.9
21.5°	351.3	350.6	348.1	346.9	345.5	344.2
22°	350.4	349.4	347.0	345.7	344.1	343.3



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	349.5	347.5	345.8	344.6	342.9	341.7
23°	348.7	346.5	344.6	343.1	341.6	340.5
23.5°	347.4	345.9	343.1	341.9	340.3	339.2
24°	346.1	344.8	342.0	340.5	339.0	337.9
24.5°	345.0	343.3	340.9	339.0	337.0	336.1
25°	343.6	341.9	339.4	337.5	335.4	334.2
25.5°	342.3	340.4	337.8	336.3	333.8	332.4
26°	341.0	339.1	336.7	334.8	332.2	331.0
26.5°	339.4	337.2	335.2	333.1	330.3	329.4
27°	338.0	335.6	333.6	331.2	328.9	327.5
27.5°	336.6	334.3	331.6	329.7	327.2	325.4
28°	335.1	332.3	330.3	327.6	325.4	323.5
28.5°	333.6	330.6	328.5	326.0	323.4	321.5
29°	332.0	329.2	327.0	324.5	321.6	319.8
29.5°	330.4	327.3	324.9	322.2	319.9	317.8
30°	328.6	325.7	323.2	320.3	317.9	315.6
30.5°	327.1	323.9	321.1	318.5	315.8	313.7
31°	325.3	322.2	318.9	316.1	313.7	311.8
31.5°	323.5	320.5	316.8	314.1	311.5	309.6
32°	321.4	318.6	315.3	311.9	309.4	307.5
32.5°	319.6	316.6	312.6	309.9	306.9	305.3
33°	317.8	314.2	310.9	307.8	304.5	303.1
33.5°	316.1	312.2	308.9	305.7	302.4	300.9
34°	314.1	309.9	306.6	303.3	300.1	298.2
34.5°	312.1	307.9	304.2	301.0	298.0	295.8
35°	309.9	305.5	301.8	298.6	295.4	293.3
35.5°	307.7	303.3	299.5	296.0	293.0	290.9
36°	305.4	300.9	297.1	293.6	290.5	288.2
36.5°	303.0	298.6	294.7	291.2	287.9	285.7
37°	300.6	296.1	292.3	288.6	285.1	283.0
37.5°	298.1	293.5	289.7	285.8	282.7	280.3
38°	295.7	291.0	287.3	283.2	279.9	277.5
38.5°	293.3	288.4	284.6	280.7	277.4	275.0
39°	290.8	286.0	282.1	278.0	274.6	272.3
39.5°	288.3	283.3	279.2	275.2	271.8	269.4
40°	285.9	280.5	276.5	272.5	269.1	266.6
40.5°	283.2	277.7	273.9	269.7	266.1	264.0
41°	280.7	275.0	271.0	266.9	263.4	260.9
41.5°	278.1	272.2	268.2	264.2	260.5	257.9
42°	275.4	269.6	265.3	261.2	257.5	254.9
42.5°	272.6	266.7	262.5	258.2	254.8	252.1
43°	269.8	263.6	259.7	255.3	251.7	249.2
43.5°	266.8	260.9	256.8	252.3	248.7	246.2
44°	263.9	258.1	253.8	249.2	245.8	243.4
44.5°	260.9	255.0	250.7	246.1	242.8	240.4



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	257.8	252.1	247.7	243.2	239.6	237.2
45.5°	255.0	249.2	244.8	240.0	236.6	234.1
46°	251.9	246.1	241.5	237.1	233.5	231.0
46.5°	249.0	243.0	238.5	233.9	230.4	227.8
47°	246.1	240.1	235.4	231.0	227.2	224.8
47.5°	243.2	237.1	232.4	227.7	224.1	221.6
48°	240.3	233.7	229.1	224.5	220.9	218.5
48.5°	237.1	230.7	226.1	221.3	217.9	215.4
49°	233.9	227.6	223.1	218.3	214.7	212.2
49.5°	230.7	224.4	220.0	215.1	211.6	209.1
50°	227.4	221.1	216.8	211.9	208.7	205.8
50.5°	224.2	217.8	213.7	208.9	205.3	202.8
51°	221.1	214.7	210.3	205.7	202.2	199.7
51.5°	217.9	211.7	207.3	202.3	198.9	196.4
52°	214.9	208.5	204.3	199.0	195.5	193.2
52.5°	211.5	205.1	201.1	195.8	192.4	190.1
53°	208.3	202.0	197.9	192.5	189.2	186.9
53.5°	205.1	198.8	194.5	189.5	186.0	183.8
54°	201.9	196.0	191.5	186.4	182.7	180.6
54.5°	198.7	192.5	188.3	183.1	179.7	177.2
55°	195.5	189.5	185.0	179.9	176.5	174.0
55.5°	192.3	186.4	181.8	176.8	173.2	171.1
56°	189.1	183.1	178.6	173.5	170.3	168.0
56.5°	186.0	180.0	175.5	170.6	167.1	164.8
57°	182.7	176.7	172.4	167.4	163.8	161.6
57.5°	179.6	173.6	169.2	164.4	160.8	158.3
58°	176.4	170.4	166.0	161.3	157.8	155.2
58.5°	173.2	167.4	162.9	158.3	154.6	152.1
59°	170.2	164.3	159.8	155.1	151.3	149.0
59.5°	167.0	161.5	156.8	152.0	148.2	145.9
60°	163.8	158.1	153.6	148.9	145.2	142.7
60.5°	160.8	155.0	150.4	145.7	142.1	139.6
61°	157.6	151.9	147.2	142.5	139.0	136.4
61.5°	154.5	148.7	144.0	139.7	135.9	133.6
62°	151.3	145.7	141.1	136.4	133.0	130.5
62.5°	148.1	142.6	138.0	133.7	129.9	127.4
63°	145.0	139.4	135.0	130.5	126.7	124.2
63.5°	142.0	136.3	132.0	127.6	123.6	121.2
64°	138.8	133.2	128.9	124.4	120.7	118.2
64.5°	135.8	130.4	125.8	121.6	117.5	115.2
65°	132.8	127.3	122.7	118.5	114.6	112.2
65.5°	129.7	124.2	119.6	115.5	111.6	109.2
66°	126.5	121.2	116.7	112.4	108.7	106.3
66.5°	123.4	118.3	113.5	109.5	105.7	103.3
67°	120.3	115.4	110.5	106.6	102.8	100.4



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	117.3	112.3	107.5	103.6	99.9	97.8
68°	114.3	109.1	104.6	100.6	97.2	94.9
68.5°	111.4	106.2	101.6	98.1	94.4	92.2
69°	108.3	103.4	99.0	95.2	91.5	89.3
69.5°	105.5	100.3	96.1	92.4	88.7	86.3
70°	102.6	97.6	93.3	89.4	85.9	83.6
70.5°	99.6	94.9	90.4	86.7	83.3	80.9
71°	97.0	92.0	87.7	83.9	80.4	78.2
71.5°	94.1	89.1	84.8	81.2	77.7	75.5
72°	91.3	86.3	82.0	78.6	75.1	72.9
72.5°	88.5	83.5	79.3	75.8	72.5	70.2
73°	85.7	80.9	76.6	73.2	69.9	67.7
73.5°	82.9	78.3	74.0	70.7	67.5	65.2
74°	80.1	75.6	71.4	68.1	64.9	62.8
74.5°	77.5	72.9	68.9	65.6	62.4	60.4
75°	74.8	70.3	66.3	63.0	60.0	57.9
75.5°	72.2	67.7	63.8	60.6	57.6	55.6
76°	69.6	65.2	61.5	58.2	55.2	53.0
76.5°	66.8	62.5	59.0	55.7	52.6	50.7
77°	64.4	60.2	56.4	53.2	50.1	48.2
77.5°	61.9	57.7	54.0	50.6	47.8	45.9
78°	59.5	55.2	51.6	48.3	45.4	43.5
78.5°	57.0	52.8	49.2	45.9	43.2	41.2
79°	54.6	50.3	46.9	43.6	40.7	39.0
79.5°	52.1	48.0	44.5	41.2	38.4	36.7
80°	49.8	45.6	42.1	38.8	36.1	34.4
80.5°	47.4	43.2	39.8	36.5	33.8	32.2
81°	45.0	40.9	37.5	34.2	31.6	30.0
81.5°	42.6	38.5	35.3	32.1	29.4	27.8
82°	40.3	36.3	33.1	29.7	27.2	25.6
82.5°	38.0	34.0	30.7	27.6	25.2	23.7
83°	35.8	31.7	28.5	25.5	23.1	21.7
83.5°	33.7	29.5	26.4	23.4	21.1	19.6
84°	31.3	27.3	24.3	21.4	19.0	17.5
84.5°	29.2	25.2	22.4	19.4	16.9	15.5
85°	27.0	23.3	20.1	17.2	14.9	13.5
85.5°	24.9	21.2	18.1	15.3	12.9	11.5
86°	23.0	19.0	16.0	13.2	11.0	9.6
86.5°	20.9	16.8	14.1	11.3	9.0	7.6
87°	18.7	14.8	12.0	9.3	7.1	5.7
87.5°	16.8	12.9	10.1	7.3	5.1	3.6
88°	14.7	10.8	8.1	5.3	3.2	2.0
88.5°	12.8	8.8	6.2	3.4	1.7	1.0
89°	10.8	7.0	4.1	1.9	0.9	0.8
89.5°	8.9	5.1	2.3	0.7	0.7	0.6



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	6.9	3.0	0.9	0.7	0.7	0.6
90.5°	5.0	1.4	0.7	0.6	0.7	0.5
91°	2.8	0.7	0.7	0.6	0.6	0.5
91.5°	1.0	0.7	0.7	0.5	0.6	0.6
92°	0.4	0.7	0.7	0.5	0.6	0.5
92.5°	0.4	0.7	0.6	0.5	0.6	0.5
93°	0.4	0.7	0.6	0.5	0.6	0.5
93.5°	0.4	0.6	0.6	0.5	0.6	0.5
94°	0.4	0.6	0.6	0.5	0.6	0.5
94.5°	0.4	0.6	0.6	0.5	0.6	0.5
95°	0.4	0.6	0.6	0.5	0.6	0.5
95.5°	0.4	0.6	0.6	0.5	0.6	0.5
96°	0.5	0.6	0.6	0.5	0.6	0.5
96.5°	0.5	0.6	0.6	0.5	0.6	0.5
97°	0.4	0.6	0.6	0.5	0.6	0.5
97.5°	0.4	0.6	0.6	0.5	0.6	0.5
98°	0.4	0.6	0.6	0.5	0.6	0.5
98.5°	0.4	0.6	0.6	0.5	0.6	0.5
99°	0.4	0.6	0.6	0.5	0.6	0.5
99.5°	0.4	0.6	0.6	0.5	0.6	0.5
100°	0.4	0.6	0.6	0.5	0.6	0.5
100.5°	0.4	0.6	0.6	0.5	0.6	0.5
101°	0.4	0.6	0.6	0.5	0.6	0.5
101.5°	0.4	0.6	0.6	0.5	0.6	0.5
102°	0.4	0.6	0.6	0.5	0.6	0.5
102.5°	0.4	0.6	0.6	0.5	0.6	0.5
103°	0.4	0.6	0.6	0.5	0.6	0.5
103.5°	0.4	0.6	0.6	0.5	0.6	0.5
104°	0.4	0.6	0.6	0.5	0.6	0.5
104.5°	0.4	0.6	0.6	0.5	0.6	0.5
105°	0.4	0.6	0.6	0.5	0.6	0.5
105.5°	0.4	0.6	0.6	0.5	0.6	0.5
106°	0.4	0.6	0.6	0.5	0.6	0.5
106.5°	0.4	0.6	0.6	0.5	0.6	0.5
107°	0.5	0.6	0.6	0.5	0.6	0.5
107.5°	0.5	0.6	0.6	0.5	0.6	0.5
108°	0.5	0.6	0.6	0.5	0.6	0.5
108.5°	0.5	0.6	0.6	0.5	0.6	0.5
109°	0.6	0.6	0.6	0.5	0.6	0.5
109.5°	0.5	0.6	0.6	0.5	0.6	0.5
110°	0.6	0.6	0.6	0.5	0.6	0.5
110.5°	0.6	0.6	0.6	0.5	0.6	0.5
111°	0.6	0.6	0.6	0.5	0.6	0.5
111.5°	0.6	0.6	0.6	0.5	0.6	0.5
112°	0.6	0.6	0.6	0.5	0.6	0.5



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.6	0.6	0.6	0.5	0.6	0.5
113°	0.6	0.6	0.6	0.5	0.6	0.5
113.5°	0.6	0.6	0.6	0.5	0.6	0.5
114°	0.6	0.6	0.6	0.5	0.6	0.5
114.5°	0.6	0.6	0.6	0.5	0.6	0.5
115°	0.6	0.6	0.6	0.5	0.6	0.5
115.5°	0.6	0.6	0.6	0.5	0.6	0.5
116°	0.6	0.6	0.6	0.5	0.6	0.5
116.5°	0.6	0.6	0.6	0.5	0.6	0.5
117°	0.6	0.6	0.6	0.5	0.6	0.5
117.5°	0.6	0.6	0.6	0.5	0.6	0.5
118°	0.6	0.6	0.6	0.5	0.6	0.5
118.5°	0.6	0.6	0.6	0.5	0.6	0.5
119°	0.6	0.6	0.6	0.5	0.6	0.5
119.5°	0.6	0.6	0.6	0.5	0.6	0.5
120°	0.6	0.6	0.6	0.5	0.6	0.5
120.5°	0.6	0.6	0.6	0.5	0.6	0.5
121°	0.6	0.6	0.6	0.5	0.6	0.5
121.5°	0.7	0.6	0.6	0.5	0.6	0.5
122°	0.7	0.6	0.6	0.5	0.6	0.5
122.5°	0.7	0.6	0.6	0.5	0.6	0.5
123°	0.7	0.6	0.6	0.5	0.6	0.5
123.5°	0.7	0.6	0.6	0.5	0.6	0.5
124°	0.7	0.6	0.6	0.5	0.6	0.5
124.5°	0.7	0.6	0.6	0.5	0.6	0.5
125°	0.7	0.6	0.6	0.5	0.6	0.5
125.5°	0.7	0.6	0.6	0.5	0.6	0.5
126°	0.7	0.6	0.6	0.5	0.6	0.5
126.5°	0.7	0.6	0.6	0.5	0.6	0.5
127°	0.7	0.6	0.6	0.5	0.6	0.5
127.5°	0.7	0.6	0.6	0.5	0.6	0.5
128°	0.7	0.6	0.6	0.5	0.6	0.5
128.5°	0.7	0.6	0.6	0.5	0.6	0.5
129°	0.8	0.6	0.6	0.5	0.6	0.5
129.5°	0.7	0.6	0.6	0.5	0.6	0.5
130°	0.7	0.6	0.6	0.5	0.6	0.5
130.5°	0.7	0.6	0.6	0.5	0.6	0.6
131°	0.7	0.6	0.6	0.6	0.6	0.6
131.5°	0.7	0.6	0.7	0.6	0.6	0.6
132°	0.7	0.6	0.7	0.6	0.6	0.7
132.5°	0.7	0.6	0.7	0.6	0.6	0.7
133°	0.7	0.6	0.8	0.7	0.6	0.7
133.5°	0.7	0.6	0.8	0.7	0.7	0.7
134°	0.7	0.7	0.8	0.8	0.7	0.8
134.5°	0.7	0.7	0.8	0.8	0.7	0.9



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.7	0.7	0.8	0.9	0.8	0.9
135.5°	0.7	0.8	0.8	0.9	0.9	1.0
136°	0.7	0.8	0.9	0.9	0.9	1.0
136.5°	0.7	0.7	0.9	0.9	0.9	1.0
137°	0.7	0.8	0.9	1.0	1.0	1.0
137.5°	0.8	0.8	0.9	1.0	1.1	1.0
138°	0.8	0.8	1.0	1.0	1.1	1.0
138.5°	0.9	0.8	1.0	1.0	1.1	1.1
139°	0.9	0.8	1.1	1.0	1.1	1.1
139.5°	0.8	0.9	1.1	1.0	1.1	1.1
140°	0.8	0.9	1.0	1.0	1.1	1.1
140.5°	0.8	0.9	1.0	1.0	1.1	1.1
141°	0.8	0.9	1.0	1.0	1.1	1.1
141.5°	0.8	0.9	1.0	1.0	1.1	1.1
142°	0.8	0.9	1.1	1.0	1.1	1.1
142.5°	0.8	1.1	1.0	1.1	1.1	1.1
143°	0.9	1.1	1.1	1.1	1.1	1.1
143.5°	0.9	1.1	1.1	1.1	1.1	1.1
144°	0.9	1.1	1.1	1.1	1.1	1.1
144.5°	0.9	1.1	1.1	1.1	1.1	1.1
145°	0.9	1.1	1.1	1.1	1.1	1.1
145.5°	0.9	1.1	1.1	1.1	1.1	1.1
146°	0.9	1.1	1.1	1.1	1.1	1.1
146.5°	0.9	1.1	1.1	1.1	1.1	1.1
147°	0.9	1.1	1.1	1.1	1.1	1.1
147.5°	1.0	1.1	1.1	1.1	1.1	1.1
148°	1.0	1.1	1.1	1.1	1.1	1.1
148.5°	1.0	1.1	1.1	1.1	1.1	1.1
149°	1.0	1.1	1.1	1.1	1.1	1.1
149.5°	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.0	1.1	1.1	1.1	1.1	1.1
150.5°	1.0	1.1	1.1	1.1	1.1	1.1
151°	1.1	1.1	1.1	1.1	1.1	1.1
151.5°	1.1	1.1	1.1	1.1	1.1	1.1
152°	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	1.1	1.1	1.1
153°	1.1	1.1	1.1	1.1	1.1	1.1
153.5°	1.2	1.1	1.2	1.1	1.1	1.1
154°	1.2	1.1	1.2	1.1	1.1	1.1
154.5°	1.2	1.1	1.1	1.1	1.1	1.1
155°	1.2	1.1	1.1	1.1	1.1	1.1
155.5°	1.2	1.1	1.1	1.1	1.1	1.1
156°	1.2	1.1	1.1	1.1	1.1	1.1
156.5°	1.2	1.1	1.1	1.1	1.1	1.1
157°	1.2	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.2	1.1	1.1	1.1	1.1	1.1
158°	1.2	1.1	1.1	1.1	1.1	1.1
158.5°	1.2	1.1	1.1	1.1	1.1	1.1
159°	1.2	1.1	1.1	1.1	1.1	1.1
159.5°	1.2	1.1	1.1	1.1	1.1	1.1
160°	1.2	1.1	1.1	1.1	1.1	1.1
160.5°	1.2	1.1	1.1	1.1	1.1	1.1
161°	1.2	1.1	1.1	1.1	1.1	1.1
161.5°	1.3	1.1	1.1	1.1	1.1	1.1
162°	1.3	1.1	1.1	1.1	1.1	1.1
162.5°	1.2	1.1	1.1	1.1	1.1	1.1
163°	1.2	1.1	1.1	1.1	1.1	1.1
163.5°	1.2	1.1	1.1	1.1	1.1	1.1
164°	1.2	1.1	1.1	1.1	1.1	1.1
164.5°	1.2	1.1	1.1	1.1	1.1	1.1
165°	1.2	1.1	1.1	1.1	1.1	1.1
165.5°	1.2	1.1	1.1	1.1	1.1	1.1
166°	1.3	1.1	1.1	1.1	1.1	1.1
166.5°	1.3	1.1	1.1	1.1	1.1	1.1
167°	1.2	1.1	1.1	1.1	1.1	1.1
167.5°	1.2	1.1	1.1	1.1	1.1	1.1
168°	1.2	1.1	1.1	1.2	1.1	1.1
168.5°	1.2	1.1	1.1	1.2	1.1	1.1
169°	1.2	1.1	1.1	1.2	1.1	1.1
169.5°	1.2	1.1	1.2	1.2	1.1	1.1
170°	1.2	1.1	1.2	1.2	1.1	1.1
170.5°	1.2	1.1	1.3	1.2	1.1	1.1
171°	1.2	1.1	1.4	1.2	1.1	1.1
171.5°	1.2	1.1	1.3	1.2	1.1	1.1
172°	1.2	1.1	1.3	1.2	1.1	1.1
172.5°	1.2	1.1	1.3	1.2	1.1	1.1
173°	1.2	1.1	1.3	1.2	1.1	1.1
173.5°	1.2	1.1	1.3	1.2	1.1	1.1
174°	1.2	1.1	1.3	1.2	1.1	1.1
174.5°	1.2	1.1	1.3	1.2	1.1	1.1
175°	1.2	1.1	1.3	1.2	1.1	1.1
175.5°	1.2	1.1	1.3	1.2	1.1	1.1
176°	1.2	1.1	1.3	1.2	1.1	1.1
176.5°	1.2	1.1	1.3	1.2	1.1	1.1
177°	1.2	1.1	1.3	1.2	1.1	1.1
177.5°	1.2	1.1	1.3	1.2	1.1	1.1
178°	1.2	1.1	1.3	1.2	1.1	1.1
178.5°	1.2	1.1	1.3	1.2	1.1	1.1
179°	1.2	1.1	1.3	1.2	1.1	1.1
179.5°	1.2	1.1	1.3	1.2	1.1	1.1



TEST NUMBER: P473760

CATALOG NUMBER: HLB6099BLE40AWH-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)