

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: P473759

Luminaire Tested: **HLB6099BLE40AWH-4000K**

Issue Date: 2/2/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P473759  
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-4000K  
Description: 6in HALO HOME BLADE  
Light Source: -  
Ballast/Driver: -

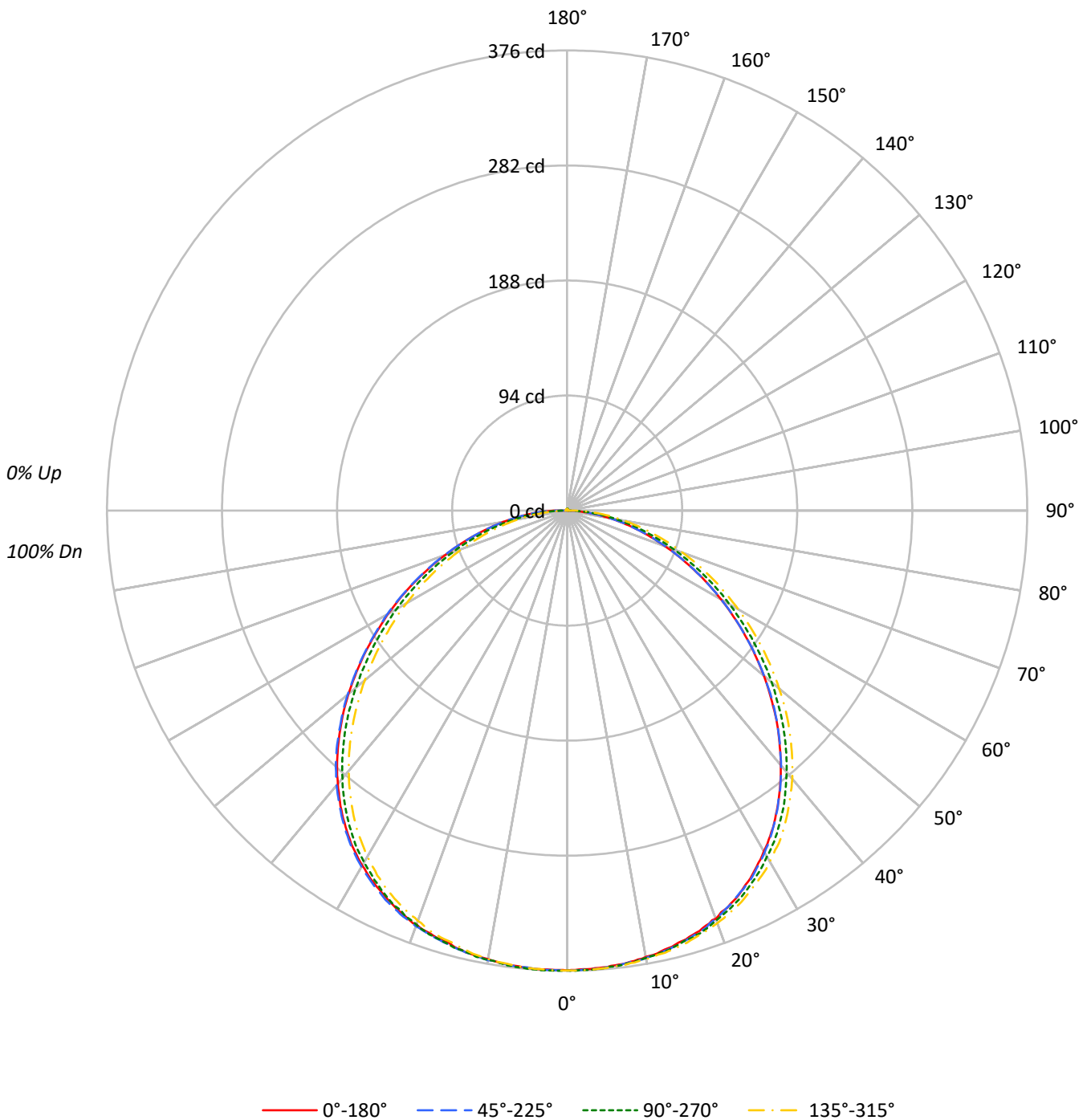
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1081.0 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.3 / 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-4000K

### 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°	1914	1914	1914	1914
5°	1914	1914	1917	1921
10°	1915	1920	1925	1928
15°	1920	1925	1935	1940
20°	1923	1932	1951	1952
25°	1913	1934	1963	1957
30°	1891	1920	1969	1952
35°	1858	1898	1962	1935
40°	1806	1855	1938	1899
45°	1741	1798	1899	1850
50°	1662	1727	1848	1785
55°	1574	1647	1786	1714
60°	1481	1560	1721	1641
65°	1377	1473	1652	1563
70°	1269	1383	1580	1480
75°	1161	1293	1529	1409
80°	1029	1202	1534	1361
85°	806	1122	1718	1391



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.7	3.3
10°-20°	103.5	9.6
20°-30°	159.2	14.7
30°-40°	192.3	17.8
40°-50°	195.0	18.0
50°-60°	169.2	15.7
60°-70°	124.7	11.5
70°-80°	72.7	6.7
80°-90°	23.9	2.2
90°-100°	0.9	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°	298.5	27.6
0°-40°	490.7	45.4
0°-60°	855.0	79.1
0°-90°	1076.3	99.6
90°-120°	1.9	0.2
90°-150°	3.7	0.3
90°-180°	5.0	0.5
0°-180°	1081.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	376	376	376	376	376	
5°	374	374	375	376	374	36
15°	364	365	367	368	364	103
25°	340	344	349	348	340	157
35°	299	305	316	311	299	187
45°	242	250	264	257	242	186
55°	177	186	201	193	177	159
65°	114	122	137	130	114	113
75°	59	66	78	72	59	63
85°	14	19	29	24	14	16
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°	375.8	375.8	375.8	375.8	375.8	375.8	375.8	375.8	375.8	375.8	375.8
0.5°	375.4	375.8	375.8	375.9	376.1	375.4	375.8	375.4	375.4	375.8	375.7
1°	375.5	375.8	375.6	375.8	376.0	375.4	375.8	375.4	375.4	375.8	375.7
1.5°	375.0	375.9	375.7	375.8	375.8	375.4	375.9	375.4	375.4	375.8	375.7
2°	375.0	375.9	375.3	375.7	375.7	375.4	375.9	375.4	375.4	375.8	375.7
2.5°	375.0	375.4	375.3	375.5	375.7	375.0	375.8	375.4	375.4	375.9	375.7
3°	375.0	375.4	375.3	375.5	375.7	375.0	375.7	375.3	375.4	375.8	375.5
3.5°	374.6	375.4	375.3	375.4	375.4	374.8	375.5	375.1	375.5	375.7	375.5
4°	374.5	375.5	375.2	375.2	375.4	374.5	375.3	375.0	375.5	375.5	375.4
4.5°	374.4	375.5	375.0	375.2	375.2	374.5	375.2	375.0	375.2	375.4	375.1
5°	374.4	375.3	374.4	375.0	374.4	374.4	375.1	374.7	375.0	375.3	374.7
5.5°	373.7	375.1	374.4	374.7	374.4	374.4	374.4	374.6	375.1	374.9	374.7
6°	373.7	374.9	374.2	374.7	374.4	374.0	374.4	374.3	374.5	374.7	374.7
6.5°	373.4	374.0	374.2	374.3	374.3	373.9	374.4	374.0	374.5	374.7	374.7
7°	373.3	374.0	373.3	374.1	374.0	373.9	374.3	374.0	374.4	374.5	374.5
7.5°	372.8	374.1	373.1	373.6	373.3	373.6	373.9	373.8	373.9	374.2	374.3
8°	372.2	373.6	372.4	373.6	373.3	373.3	373.4	373.6	373.8	373.7	373.8
8.5°	372.1	373.2	372.4	372.4	373.0	372.9	373.3	373.3	373.5	373.5	373.5
9°	371.4	372.5	372.1	372.2	371.9	372.3	372.8	372.9	373.0	373.4	373.2
9.5°	371.2	371.9	371.9	371.7	371.6	372.2	372.2	372.6	372.7	373.0	373.0
10°	370.3	371.4	371.1	371.5	371.2	371.7	372.3	372.2	372.2	372.7	373.0
10.5°	370.0	370.8	370.7	371.4	370.7	371.5	371.7	371.9	372.0	372.6	372.6
11°	369.8	369.9	370.3	370.9	370.5	370.7	371.5	371.3	371.7	372.2	372.0
11.5°	369.4	369.9	369.2	370.6	369.7	370.2	370.5	371.0	371.4	371.8	371.7
12°	368.3	369.6	369.1	369.8	369.4	369.5	370.2	371.0	370.8	371.5	371.2
12.5°	367.5	368.6	368.5	369.0	368.7	369.0	370.0	370.2	370.5	370.9	370.8
13°	366.9	367.9	368.1	368.6	368.6	368.5	369.4	369.6	370.3	370.6	370.4
13.5°	366.5	367.4	367.3	367.8	367.4	367.9	369.2	369.1	369.3	370.0	369.7
14°	365.5	366.8	366.5	366.7	366.8	367.2	368.4	368.4	368.9	369.6	369.3
14.5°	364.6	365.5	366.0	366.1	366.1	366.7	367.4	367.9	368.1	369.0	368.6
15°	364.1	365.0	364.9	365.4	365.0	365.9	366.8	367.1	366.9	368.4	368.1
15.5°	363.6	364.6	364.3	364.6	364.1	365.2	366.5	366.3	366.1	367.8	367.4
16°	362.4	363.8	363.5	363.9	363.9	364.5	365.3	365.7	365.8	367.4	366.9
16.5°	361.5	362.4	362.4	363.6	363.6	363.5	364.5	364.9	365.5	366.7	366.2
17°	360.7	361.5	361.6	362.5	362.5	362.9	363.8	364.4	364.9	366.0	365.6
17.5°	360.2	359.9	360.7	361.3	362.0	362.2	362.9	363.3	364.0	365.5	364.9
18°	358.6	359.3	360.0	360.2	361.0	361.3	362.4	362.5	363.1	364.6	364.1
18.5°	357.6	358.1	359.1	359.5	360.0	360.4	361.4	362.1	362.6	363.6	363.5
19°	356.8	356.5	357.1	358.4	358.7	359.5	360.5	360.9	362.2	363.0	362.8
19.5°	355.1	355.7	356.0	357.2	357.5	358.6	359.7	360.2	361.2	362.4	362.0
20°	354.9	354.7	354.9	356.1	356.4	357.7	358.8	359.5	359.9	361.7	361.4
20.5°	353.4	353.4	353.9	355.1	355.3	356.6	357.8	358.4	359.9	360.7	360.4
21°	351.4	352.0	352.6	353.6	354.1	355.3	356.8	357.4	358.6	359.9	359.5
21.5°	350.7	350.9	351.1	352.4	353.0	354.2	355.6	356.6	357.5	358.9	358.5
22°	349.8	349.5	349.5	351.1	352.0	353.2	354.5	355.5	356.4	358.0	357.7



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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°	348.2	348.0	348.5	349.7	350.9	352.2	353.4	354.5	355.3	356.9	356.7
23°	346.9	346.8	346.6	347.9	349.3	350.7	352.3	353.4	354.4	355.8	355.3
23.5°	345.6	345.0	345.3	346.8	348.1	349.4	351.2	352.1	353.2	354.7	354.5
24°	344.2	343.7	343.7	345.3	347.0	348.1	350.1	351.2	351.8	353.8	353.4
24.5°	342.4	342.3	342.2	344.1	345.7	346.9	348.5	350.0	350.6	352.3	352.1
25°	340.5	340.6	341.1	342.8	344.1	345.3	347.0	348.5	349.4	351.3	351.1
25.5°	338.6	338.8	339.3	341.0	342.5	344.0	345.6	347.1	348.2	350.1	349.5
26°	337.3	337.4	338.3	339.2	340.9	342.2	344.1	345.7	346.7	348.7	348.1
26.5°	335.6	335.8	336.5	337.5	339.2	340.7	342.5	344.3	345.3	347.4	346.7
27°	333.7	334.0	334.5	335.8	337.6	339.1	341.3	342.8	344.1	345.8	345.5
27.5°	331.5	332.3	332.5	333.8	335.9	337.6	339.6	341.1	342.5	344.6	343.9
28°	329.6	330.3	330.4	331.8	334.3	335.9	338.2	340.0	341.4	343.0	342.5
28.5°	327.5	328.3	328.7	330.1	332.6	334.3	336.6	338.3	339.7	341.3	340.9
29°	325.9	326.6	326.7	328.3	330.6	332.6	335.2	336.6	338.1	339.8	339.4
29.5°	323.8	324.4	324.8	326.4	328.5	330.8	333.0	334.9	336.3	338.4	337.5
30°	321.5	322.3	322.7	324.4	326.5	328.9	331.1	333.4	334.9	336.5	335.9
30.5°	319.6	320.2	320.4	322.3	324.8	327.1	329.4	331.5	333.3	334.7	334.2
31°	317.7	318.0	318.6	320.3	322.9	325.3	327.5	329.8	331.5	332.8	332.6
31.5°	315.4	315.7	316.2	317.9	320.9	323.5	325.3	327.9	329.5	331.2	330.8
32°	313.3	313.3	313.8	315.7	319.0	321.5	323.8	326.2	327.8	329.2	328.8
32.5°	311.0	311.1	311.5	313.4	316.7	319.2	322.1	324.3	326.1	327.2	327.1
33°	308.8	308.7	309.0	310.9	314.6	317.3	320.0	321.9	324.2	325.4	325.1
33.5°	306.5	306.1	306.6	308.7	312.2	315.1	317.9	319.9	321.8	323.4	323.0
34°	303.9	303.6	304.1	306.2	309.8	312.5	315.6	317.3	319.9	321.3	320.9
34.5°	301.3	300.9	301.6	303.8	307.6	310.5	313.6	315.3	317.7	319.3	318.9
35°	298.8	298.3	299.1	301.1	305.2	308.0	310.9	313.2	315.5	317.2	316.7
35.5°	296.4	295.7	296.7	298.7	302.9	305.6	308.6	310.8	313.4	315.1	314.5
36°	293.7	293.2	293.5	296.1	300.6	303.0	306.2	308.3	311.3	312.8	312.2
36.5°	291.0	290.5	291.3	293.5	298.1	300.6	303.6	306.3	309.0	310.6	309.9
37°	288.4	288.0	288.7	290.9	295.2	298.1	301.2	304.2	306.4	308.2	307.4
37.5°	285.6	285.3	286.0	288.5	292.5	295.9	298.7	301.9	304.2	306.0	305.2
38°	282.8	282.5	283.3	285.5	289.6	293.2	296.2	299.3	301.6	303.5	303.0
38.5°	280.2	279.7	280.5	282.8	287.2	290.7	293.7	296.7	299.2	301.1	300.3
39°	277.4	276.8	277.8	280.1	284.4	288.0	291.4	294.1	296.5	298.4	298.0
39.5°	274.5	273.8	274.9	277.2	281.7	285.3	288.7	292.0	294.2	295.9	295.4
40°	271.6	270.9	271.8	274.2	279.0	282.4	286.2	289.2	291.5	293.4	293.0
40.5°	268.9	268.1	269.0	271.5	276.2	279.6	283.2	286.3	288.9	290.8	290.2
41°	265.9	265.3	265.9	268.4	273.4	277.1	280.6	283.7	286.5	288.1	287.8
41.5°	262.8	262.1	262.9	265.7	270.5	274.0	277.8	281.2	283.6	285.4	285.1
42°	259.7	259.1	260.1	262.7	267.8	271.2	274.9	278.8	281.0	282.7	282.6
42.5°	256.9	256.2	257.1	259.8	264.7	268.3	272.1	275.7	278.3	280.0	279.7
43°	253.9	253.2	254.0	256.8	261.8	265.5	269.3	272.8	275.4	277.1	276.9
43.5°	250.9	250.5	251.2	253.7	258.9	262.5	266.1	270.0	272.5	274.2	274.0
44°	247.9	247.2	248.1	250.7	255.9	259.5	263.3	267.0	269.6	271.2	271.1
44.5°	244.9	244.3	245.0	247.7	252.7	256.5	260.4	264.0	266.8	268.4	268.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	241.7	241.3	242.0	244.6	249.7	253.6	257.3	261.1	263.7	265.4	265.0
45.5°	238.5	237.9	238.9	241.4	246.6	250.5	254.3	257.9	260.8	262.6	261.9
46°	235.4	234.7	236.0	238.3	243.6	247.5	251.3	254.9	257.9	259.6	258.9
46.5°	232.1	231.6	232.8	235.1	240.3	244.4	248.5	252.1	254.9	256.5	255.7
47°	229.0	228.3	229.5	232.0	237.1	241.3	245.3	249.3	252.0	253.5	252.8
47.5°	225.8	225.0	226.4	228.8	233.7	238.1	242.1	246.4	249.1	250.4	249.9
48°	222.6	221.8	223.2	225.7	230.5	235.1	239.1	243.0	245.8	247.4	246.8
48.5°	219.4	218.6	219.8	222.3	227.6	231.6	236.0	239.8	242.9	244.2	243.8
49°	216.2	215.4	216.6	218.9	224.5	228.7	232.7	236.7	239.7	240.9	240.7
49.5°	213.1	212.4	213.3	215.7	221.2	225.4	229.2	233.4	236.5	237.8	237.5
50°	209.7	209.0	210.2	212.6	218.0	222.3	226.1	230.0	233.3	234.7	234.2
50.5°	206.7	205.7	206.9	209.4	214.7	219.0	222.9	226.8	230.0	231.4	231.0
51°	203.4	202.4	203.6	206.4	211.6	215.8	219.7	224.0	226.7	228.2	227.7
51.5°	200.1	199.2	200.3	203.0	208.5	212.6	216.7	220.7	223.5	225.0	224.5
52°	196.8	195.9	196.9	199.7	205.1	209.4	213.4	217.3	220.3	222.0	221.3
52.5°	193.7	192.5	193.9	196.3	201.7	206.1	210.2	214.4	217.0	218.7	218.0
53°	190.4	189.2	190.6	193.2	198.5	202.8	206.9	211.1	213.7	215.5	214.8
53.5°	187.2	185.9	187.3	189.8	195.3	199.5	203.7	207.4	210.6	212.3	211.6
54°	184.0	182.7	183.9	186.4	191.9	196.2	200.5	204.4	207.5	209.0	208.3
54.5°	180.6	179.4	180.7	183.1	188.6	192.9	197.3	201.0	204.3	205.8	205.2
55°	177.3	176.3	177.3	179.9	185.5	189.6	194.0	197.8	201.1	202.5	201.9
55.5°	174.3	173.1	174.2	176.6	182.4	186.6	190.6	194.6	197.8	199.2	198.6
56°	171.1	170.0	171.0	173.6	178.7	183.2	187.5	191.2	194.4	196.0	195.4
56.5°	167.9	166.6	167.8	170.4	175.7	180.0	184.2	187.9	191.1	192.5	192.3
57°	164.6	163.3	164.6	167.0	172.6	176.7	180.8	184.8	187.9	189.3	188.8
57.5°	161.3	160.0	161.5	163.7	169.4	173.7	177.5	181.5	184.6	186.1	185.6
58°	158.1	157.0	158.3	160.5	166.0	170.4	174.4	178.3	181.3	182.7	182.4
58.5°	155.0	153.8	155.2	157.4	162.7	167.2	171.3	175.0	178.2	179.4	179.1
59°	151.8	150.7	152.0	154.2	159.7	163.9	168.0	172.1	175.0	176.3	176.0
59.5°	148.6	147.6	148.6	151.1	156.5	160.7	164.8	168.9	172.1	173.3	173.0
60°	145.4	144.4	145.3	147.9	153.2	157.4	161.6	165.8	169.0	170.2	169.8
60.5°	142.2	141.2	142.2	144.6	150.1	154.3	158.5	162.5	165.6	166.9	166.7
61°	139.0	138.3	139.0	141.4	147.1	151.1	155.3	159.3	162.4	163.8	163.3
61.5°	136.1	135.2	135.9	138.3	144.1	148.0	152.1	156.0	159.2	160.5	160.2
62°	132.9	132.2	132.9	135.2	140.9	144.8	149.0	153.0	156.0	157.4	157.0
62.5°	129.8	129.0	129.7	132.2	137.7	141.6	145.8	149.9	152.9	154.2	153.7
63°	126.6	126.1	126.6	129.0	134.6	138.3	142.5	146.6	149.5	150.9	150.5
63.5°	123.5	123.2	123.6	125.9	131.4	135.4	139.4	143.4	146.4	147.7	147.3
64°	120.4	120.1	120.4	122.9	128.3	132.1	136.7	140.3	143.3	144.6	144.1
64.5°	117.3	117.1	117.3	119.6	125.2	129.1	133.6	137.4	140.2	141.5	141.0
65°	114.3	114.0	114.5	116.8	122.2	125.9	130.5	134.2	137.1	138.3	137.8
65.5°	111.3	111.1	111.4	113.8	119.2	122.9	127.3	131.2	134.0	135.2	134.7
66°	108.3	108.1	108.4	110.7	116.1	119.7	124.3	127.9	130.7	132.1	131.6
66.5°	105.3	105.2	105.5	107.7	113.1	116.7	121.2	124.9	127.5	129.1	128.3
67°	102.3	102.1	102.5	104.8	110.1	113.7	118.2	121.7	124.5	126.0	125.3





TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	99.7	99.4	99.8	101.8	107.1	110.6	115.0	118.7	121.5	123.0	122.1
68°	96.7	96.4	96.9	99.1	104.2	107.6	112.1	115.7	118.2	119.9	119.0
68.5°	94.0	93.5	94.0	96.2	101.2	104.7	109.1	112.6	115.1	116.8	116.0
69°	90.9	90.8	91.0	93.3	98.6	101.7	106.1	109.6	112.2	113.8	112.9
69.5°	87.9	87.9	88.1	90.5	95.5	99.1	103.2	106.6	109.1	110.9	109.9
70°	85.2	85.0	85.4	87.7	92.9	96.1	100.3	103.7	106.1	107.8	106.8
70.5°	82.5	82.3	82.7	84.9	89.8	93.2	97.7	100.7	103.2	104.8	103.7
71°	79.7	79.6	79.8	82.2	87.1	90.4	94.7	97.9	100.3	101.9	100.7
71.5°	76.9	76.9	77.2	79.4	84.3	87.5	91.8	95.2	97.4	99.2	97.9
72°	74.2	74.1	74.4	76.7	81.6	84.7	89.0	92.3	94.4	96.2	95.1
72.5°	71.6	71.4	71.8	73.9	78.8	81.9	86.1	89.4	91.7	93.4	92.1
73°	69.0	68.7	69.2	71.3	76.0	79.2	83.3	86.5	88.9	90.4	89.2
73.5°	66.5	66.2	66.6	68.6	73.4	76.4	80.6	83.7	85.9	87.6	86.5
74°	63.9	63.7	64.0	66.1	70.7	73.8	77.9	80.9	83.3	84.8	83.6
74.5°	61.6	61.2	61.7	63.5	68.0	71.2	75.2	78.2	80.4	82.0	80.8
75°	59.0	58.6	59.1	61.2	65.7	68.5	72.4	75.5	77.7	79.3	78.2
75.5°	56.7	56.0	56.7	58.5	62.9	65.9	69.8	72.9	75.0	76.5	75.4
76°	54.0	53.6	54.3	56.1	60.4	63.4	67.2	70.2	72.4	73.8	72.7
76.5°	51.6	51.1	51.8	53.5	57.9	61.0	64.5	67.6	69.7	71.1	70.0
77°	49.1	48.8	49.2	51.1	55.5	58.4	62.1	65.0	67.1	68.5	67.4
77.5°	46.7	46.3	47.0	48.8	53.0	56.1	59.6	62.5	64.5	65.8	64.8
78°	44.4	44.0	44.5	46.2	50.6	53.6	57.2	60.1	62.1	63.2	62.3
78.5°	42.0	41.6	42.1	44.0	48.1	51.1	54.6	57.6	59.6	60.7	59.8
79°	39.7	39.2	39.8	41.5	45.9	48.8	52.2	55.1	57.1	58.2	57.3
79.5°	37.4	36.9	37.5	39.3	43.4	46.5	49.7	52.7	54.7	55.8	54.8
80°	35.1	34.5	35.2	36.9	41.0	44.1	47.4	50.3	52.3	53.3	52.5
80.5°	32.8	32.2	32.9	34.6	38.7	41.9	45.1	47.8	49.9	50.8	50.0
81°	30.6	29.9	30.7	32.3	36.5	39.6	42.7	45.5	47.5	48.3	47.6
81.5°	28.3	27.7	28.4	30.1	34.1	37.3	40.4	43.1	45.0	45.9	45.1
82°	26.1	25.6	26.3	27.9	31.9	35.0	38.0	40.7	42.7	43.6	42.9
82.5°	24.1	23.6	24.3	25.8	29.8	32.7	35.8	38.5	40.5	41.4	40.5
83°	22.1	21.4	22.1	23.7	27.6	30.6	33.6	36.3	38.2	39.0	38.3
83.5°	19.9	19.4	20.0	21.6	25.4	28.4	31.3	33.9	35.9	36.7	36.0
84°	17.9	17.3	17.8	19.4	23.4	26.2	29.1	31.7	33.7	34.3	33.8
84.5°	15.8	15.3	15.9	17.4	21.3	24.3	27.0	29.5	31.5	32.2	31.6
85°	13.8	13.2	13.8	15.3	19.2	22.2	24.8	27.3	29.4	30.1	29.4
85.5°	11.7	11.2	11.8	13.3	17.2	20.0	23.0	25.2	27.2	27.8	27.2
86°	9.8	9.2	9.7	11.3	15.2	18.0	20.8	23.4	25.0	25.6	25.0
86.5°	7.8	7.1	7.7	9.3	13.3	15.9	18.7	21.2	23.0	23.6	23.1
87°	5.8	5.0	5.6	7.3	11.3	14.0	16.8	19.2	20.9	21.5	21.0
87.5°	3.7	3.2	3.6	5.3	9.3	11.9	15.0	17.1	18.9	19.4	18.8
88°	2.1	1.7	2.0	3.3	7.4	10.2	12.7	15.2	16.9	17.5	16.8
88.5°	1.0	0.9	1.0	1.7	5.4	8.1	10.8	13.2	14.9	15.4	14.9
89°	0.8	0.7	0.7	0.7	3.4	6.2	8.9	11.3	12.8	13.3	12.7
89.5°	0.6	0.7	0.7	0.6	1.8	4.3	7.0	9.3	11.0	11.3	10.8



TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.7	0.6	0.7	0.6	0.4	2.5	5.2	7.5	9.0	9.4	8.8
90.5°	0.5	0.7	0.6	0.7	0.4	0.9	3.3	5.5	7.1	7.5	6.8
91°	0.5	0.6	0.6	0.6	0.4	0.5	1.7	3.6	5.2	5.5	4.9
91.5°	0.6	0.6	0.6	0.6	0.4	0.5	0.6	1.9	3.2	3.6	2.8
92°	0.5	0.5	0.6	0.6	0.4	0.4	0.3	0.7	1.4	1.7	1.0
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	0.7	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: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**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	0.7	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: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**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	1.2	1.2	1.1	1.4	1.3	1.2	1.2	1.2	1.2
158°	1.1	1.2	1.2	1.2	1.0	1.4	1.3	1.3	1.2	1.2	1.2
158.5°	1.1	1.2	1.2	1.2	1.0	1.5	1.3	1.3	1.2	1.2	1.2
159°	1.1	1.2	1.2	1.2	1.0	1.5	1.3	1.2	1.2	1.2	1.2
159.5°	1.1	1.2	1.2	1.2	0.9	1.5	1.3	1.2	1.1	1.2	1.2
160°	1.1	1.2	1.2	1.2	1.0	1.5	1.3	1.2	1.1	1.2	1.3
160.5°	1.1	1.2	1.2	1.2	1.0	1.5	1.3	1.2	1.1	1.2	1.3
161°	1.1	1.2	1.2	1.2	1.3	1.5	1.3	1.2	1.1	1.2	1.3
161.5°	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.1	1.1	1.3
162°	1.1	1.2	1.2	1.2	1.4	1.2	1.3	1.2	1.1	1.1	1.3
162.5°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.3
163°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.3
163.5°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.3
164°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
164.5°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
165°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
165.5°	1.1	1.2	1.2	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.5
166°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
166.5°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
167°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
167.5°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
168°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
168.5°	1.1	1.2	1.2	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
169°	1.1	1.2	1.2	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
169.5°	1.1	1.2	1.2	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
170°	1.1	1.2	1.2	1.2	1.6	1.1	1.3	1.2	1.1	1.1	1.4
170.5°	1.1	1.2	1.2	1.2	1.7	1.1	1.3	1.2	1.1	1.1	1.4
171°	1.1	1.2	1.2	1.2	1.3	1.1	1.3	1.2	1.1	1.1	1.4
171.5°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
172°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
172.5°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
173°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
173.5°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
174°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
174.5°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
175°	1.1	1.2	1.2	1.2	1.3	1.1	1.3	1.2	1.1	1.1	1.4
175.5°	1.1	1.2	1.2	1.2	1.3	1.1	1.3	1.2	1.1	1.1	1.4
176°	1.1	1.2	1.2	1.2	1.4	1.1	1.3	1.2	1.1	1.1	1.4
176.5°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
177°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
177.5°	1.1	1.2	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
178°	1.1	1.4	1.2	1.2	1.5	1.1	1.3	1.2	1.1	1.1	1.4
178.5°	1.1	1.4	1.2	1.2	1.2	1.1	1.3	1.2	1.1	1.1	1.4
179°	1.1	1.4	1.2	1.2	1.2	1.1	1.3	1.2	1.1	1.1	1.4
179.5°	1.1	1.4	1.2	1.2	1.2	1.1	1.3	1.2	1.1	1.1	1.4



TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**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: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	375.8	375.8	375.8	375.8	375.8	375.8
0.5°	376.0	376.0	375.5	375.8	375.4	375.4
1°	375.6	376.1	375.5	375.8	374.8	375.5
1.5°	375.6	376.1	375.5	375.8	375.0	375.0
2°	375.7	376.1	375.5	375.8	375.0	375.0
2.5°	375.6	376.1	375.5	375.8	375.1	375.0
3°	375.6	376.2	375.5	375.5	375.1	375.0
3.5°	375.6	376.2	375.6	375.3	374.3	374.6
4°	375.6	375.9	375.6	375.4	374.3	374.5
4.5°	375.6	376.0	375.3	375.1	374.3	374.4
5°	375.7	375.8	375.0	375.2	374.3	374.4
5.5°	375.7	375.3	375.0	374.8	373.9	373.7
6°	374.9	375.3	374.7	374.6	373.7	373.7
6.5°	374.6	375.3	374.1	374.2	373.4	373.4
7°	374.1	374.7	374.1	373.9	373.3	373.3
7.5°	374.1	374.7	374.1	373.5	373.1	372.8
8°	374.0	374.1	373.6	373.3	372.6	372.2
8.5°	373.6	373.6	373.3	373.2	371.8	372.1
9°	373.5	373.1	373.0	373.0	371.8	371.4
9.5°	373.2	372.8	373.0	372.3	371.4	371.2
10°	372.4	372.8	372.4	372.2	370.7	370.3
10.5°	372.3	372.5	371.9	371.7	370.5	370.0
11°	371.9	372.2	371.7	371.0	370.4	369.8
11.5°	371.6	372.2	370.9	370.6	369.6	369.4
12°	371.1	371.2	370.2	370.2	368.9	368.3
12.5°	370.5	370.4	369.4	369.5	368.4	367.5
13°	370.2	370.0	368.8	368.4	367.6	366.9
13.5°	369.9	369.5	368.4	368.1	367.2	366.5
14°	369.4	369.2	368.0	366.9	366.2	365.5
14.5°	369.1	368.9	367.6	366.3	365.8	364.6
15°	368.2	367.9	366.7	365.2	365.2	364.1
15.5°	367.7	367.0	366.0	364.8	364.1	363.6
16°	367.4	366.5	365.2	364.3	363.5	362.4
16.5°	366.6	365.7	364.4	363.7	362.9	361.5
17°	366.1	365.4	364.1	362.8	362.2	360.7
17.5°	365.1	364.6	363.2	361.8	360.8	360.2
18°	364.6	364.2	361.9	361.4	359.7	358.6
18.5°	363.6	363.2	361.2	359.9	358.8	357.6
19°	363.0	362.3	360.5	359.1	357.5	356.8
19.5°	362.0	361.6	359.2	357.5	356.6	355.1
20°	361.0	360.2	358.2	356.7	355.5	354.9
20.5°	360.2	358.9	357.2	355.2	354.2	353.4
21°	359.2	357.9	356.2	354.6	353.3	351.4
21.5°	358.0	357.2	354.7	353.4	352.0	350.7
22°	357.0	356.0	353.5	352.2	350.6	349.8



TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	356.1	354.0	352.3	351.1	349.4	348.2
23°	355.3	353.1	351.1	349.6	348.0	346.9
23.5°	353.9	352.5	349.6	348.3	346.7	345.6
24°	352.6	351.3	348.4	347.0	345.4	344.2
24.5°	351.5	349.8	347.3	345.4	343.4	342.4
25°	350.0	348.3	345.8	343.9	341.7	340.5
25.5°	348.7	346.8	344.2	342.6	340.1	338.6
26°	347.5	345.5	343.1	341.1	338.4	337.3
26.5°	345.8	343.6	341.5	339.4	336.6	335.6
27°	344.4	341.9	339.9	337.5	335.1	333.7
27.5°	343.0	340.6	337.8	336.0	333.3	331.5
28°	341.4	338.5	336.6	333.8	331.5	329.6
28.5°	339.9	336.8	334.7	332.1	329.5	327.5
29°	338.3	335.4	333.2	330.6	327.7	325.9
29.5°	336.7	333.5	331.0	328.3	325.9	323.8
30°	334.8	331.9	329.3	326.3	323.8	321.5
30.5°	333.2	330.0	327.2	324.5	321.7	319.6
31°	331.5	328.3	324.9	322.1	319.6	317.7
31.5°	329.6	326.6	322.8	320.1	317.4	315.4
32°	327.5	324.7	321.2	317.8	315.2	313.3
32.5°	325.7	322.6	318.5	315.8	312.7	311.0
33°	323.8	320.1	316.8	313.6	310.3	308.8
33.5°	322.0	318.1	314.7	311.5	308.1	306.5
34°	320.1	315.7	312.4	309.0	305.8	303.9
34.5°	318.0	313.7	309.9	306.7	303.6	301.3
35°	315.8	311.2	307.5	304.3	301.0	298.8
35.5°	313.5	309.0	305.2	301.6	298.6	296.4
36°	311.1	306.6	302.7	299.2	295.9	293.7
36.5°	308.7	304.2	300.3	296.7	293.3	291.0
37°	306.2	301.7	297.9	294.0	290.5	288.4
37.5°	303.8	299.0	295.2	291.2	288.0	285.6
38°	301.3	296.4	292.7	288.6	285.2	282.8
38.5°	298.9	293.8	289.9	286.0	282.6	280.2
39°	296.3	291.4	287.4	283.3	279.8	277.4
39.5°	293.7	288.7	284.5	280.4	277.0	274.5
40°	291.3	285.7	281.7	277.6	274.2	271.6
40.5°	288.5	283.0	279.1	274.8	271.2	268.9
41°	286.0	280.2	276.1	271.9	268.4	265.9
41.5°	283.3	277.3	273.3	269.2	265.4	262.8
42°	280.6	274.7	270.3	266.1	262.4	259.7
42.5°	277.8	271.7	267.4	263.1	259.6	256.9
43°	274.9	268.6	264.6	260.1	256.5	253.9
43.5°	271.9	265.8	261.6	257.0	253.4	250.9
44°	268.9	262.9	258.6	253.9	250.5	247.9
44.5°	265.8	259.8	255.4	250.7	247.4	244.9





TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	262.6	256.9	252.3	247.8	244.1	241.7
45.5°	259.8	253.9	249.4	244.6	241.1	238.5
46°	256.7	250.8	246.1	241.6	237.9	235.4
46.5°	253.7	247.6	243.0	238.3	234.7	232.1
47°	250.7	244.7	239.8	235.3	231.5	229.0
47.5°	247.7	241.5	236.8	232.0	228.3	225.8
48°	244.8	238.1	233.4	228.7	225.1	222.6
48.5°	241.6	235.0	230.3	225.4	222.0	219.4
49°	238.3	231.9	227.3	222.4	218.7	216.2
49.5°	235.0	228.6	224.2	219.2	215.6	213.1
50°	231.7	225.3	220.9	215.9	212.6	209.7
50.5°	228.4	221.9	217.7	212.8	209.2	206.7
51°	225.3	218.7	214.3	209.5	206.0	203.4
51.5°	222.0	215.7	211.2	206.1	202.6	200.1
52°	218.9	212.5	208.1	202.8	199.2	196.8
52.5°	215.5	209.0	204.9	199.5	196.0	193.7
53°	212.3	205.8	201.6	196.1	192.7	190.4
53.5°	209.0	202.6	198.2	193.1	189.5	187.2
54°	205.7	199.7	195.1	189.9	186.2	184.0
54.5°	202.4	196.2	191.9	186.6	183.0	180.6
55°	199.2	193.0	188.5	183.3	179.8	177.3
55.5°	195.9	189.9	185.3	180.1	176.5	174.3
56°	192.7	186.6	181.9	176.7	173.5	171.1
56.5°	189.5	183.4	178.8	173.8	170.3	167.9
57°	186.2	180.1	175.6	170.6	166.9	164.6
57.5°	183.0	176.9	172.4	167.5	163.8	161.3
58°	179.7	173.7	169.2	164.3	160.8	158.1
58.5°	176.4	170.6	165.9	161.3	157.5	155.0
59°	173.4	167.4	162.8	158.0	154.2	151.8
59.5°	170.1	164.5	159.7	154.9	151.0	148.6
60°	166.9	161.1	156.5	151.7	147.9	145.4
60.5°	163.8	157.9	153.3	148.4	144.8	142.2
61°	160.6	154.8	150.0	145.2	141.7	139.0
61.5°	157.4	151.5	146.7	142.3	138.5	136.1
62°	154.2	148.4	143.8	139.0	135.5	132.9
62.5°	150.9	145.3	140.6	136.2	132.3	129.8
63°	147.7	142.0	137.6	132.9	129.1	126.6
63.5°	144.7	138.8	134.5	130.0	126.0	123.5
64°	141.4	135.7	131.4	126.8	123.0	120.4
64.5°	138.3	132.9	128.2	123.9	119.8	117.3
65°	135.3	129.7	125.0	120.7	116.8	114.3
65.5°	132.2	126.5	121.8	117.7	113.7	111.3
66°	128.9	123.4	118.9	114.5	110.7	108.3
66.5°	125.7	120.5	115.7	111.6	107.7	105.3
67°	122.6	117.6	112.6	108.6	104.8	102.3



TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	119.5	114.4	109.5	105.6	101.8	99.7
68°	116.4	111.1	106.6	102.5	99.0	96.7
68.5°	113.5	108.2	103.5	99.9	96.2	94.0
69°	110.4	105.4	100.9	97.0	93.3	90.9
69.5°	107.5	102.2	97.9	94.1	90.4	87.9
70°	104.6	99.4	95.1	91.1	87.5	85.2
70.5°	101.5	96.7	92.1	88.3	84.8	82.5
71°	98.8	93.7	89.3	85.5	81.9	79.7
71.5°	95.9	90.8	86.4	82.7	79.2	76.9
72°	93.0	87.9	83.6	80.0	76.5	74.2
72.5°	90.2	85.1	80.8	77.3	73.9	71.6
73°	87.3	82.4	78.1	74.6	71.3	69.0
73.5°	84.5	79.7	75.4	72.0	68.7	66.5
74°	81.6	77.0	72.7	69.4	66.1	63.9
74.5°	78.9	74.3	70.2	66.8	63.6	61.6
75°	76.2	71.6	67.5	64.2	61.1	59.0
75.5°	73.5	69.0	65.0	61.7	58.7	56.7
76°	70.9	66.4	62.6	59.3	56.2	54.0
76.5°	68.1	63.7	60.1	56.8	53.6	51.6
77°	65.6	61.3	57.5	54.2	51.0	49.1
77.5°	63.1	58.8	55.0	51.6	48.7	46.7
78°	60.6	56.2	52.6	49.2	46.2	44.4
78.5°	58.1	53.8	50.2	46.7	44.0	42.0
79°	55.6	51.3	47.8	44.4	41.4	39.7
79.5°	53.1	48.9	45.3	41.9	39.1	37.4
80°	50.7	46.4	42.9	39.5	36.8	35.1
80.5°	48.3	44.0	40.5	37.2	34.5	32.8
81°	45.9	41.7	38.2	34.9	32.2	30.6
81.5°	43.4	39.2	36.0	32.7	30.0	28.3
82°	41.1	37.0	33.7	30.3	27.8	26.1
82.5°	38.8	34.6	31.3	28.1	25.6	24.1
83°	36.5	32.3	29.0	25.9	23.6	22.1
83.5°	34.3	30.0	26.9	23.9	21.5	19.9
84°	31.9	27.8	24.8	21.8	19.3	17.9
84.5°	29.7	25.7	22.8	19.7	17.3	15.8
85°	27.5	23.8	20.5	17.5	15.2	13.8
85.5°	25.4	21.6	18.4	15.5	13.2	11.7
86°	23.4	19.4	16.4	13.5	11.2	9.8
86.5°	21.3	17.1	14.3	11.5	9.2	7.8
87°	19.1	15.1	12.3	9.5	7.3	5.8
87.5°	17.1	13.1	10.3	7.5	5.2	3.7
88°	15.0	11.0	8.2	5.4	3.3	2.1
88.5°	13.0	9.0	6.4	3.5	1.8	1.0
89°	11.0	7.2	4.2	1.9	0.9	0.8
89.5°	9.0	5.2	2.4	0.7	0.7	0.6



TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	7.0	3.0	0.9	0.7	0.7	0.7
90.5°	5.1	1.5	0.7	0.6	0.7	0.5
91°	2.9	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: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**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	0.7	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	0.7	0.6	0.7
133°	0.7	0.6	0.8	0.7	0.7	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: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**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	1.0	1.0	1.0	1.0
136.5°	0.7	0.7	1.0	1.0	1.0	1.0
137°	0.7	0.8	1.0	1.0	1.0	1.0
137.5°	0.8	0.8	1.0	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	1.2
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	1.0	1.0	1.0	1.1	1.1
141.5°	0.8	1.0	1.0	1.0	1.1	1.1
142°	0.8	1.0	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	1.2	1.1	1.1	1.1
143.5°	0.9	1.1	1.2	1.1	1.1	1.1
144°	0.9	1.1	1.1	1.1	1.1	1.1
144.5°	1.0	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°	1.0	1.1	1.1	1.1	1.1	1.1
147°	1.0	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	1.2	1.1	1.1	1.1
152.5°	1.2	1.1	1.2	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	1.2	1.1	1.1	1.1
155°	1.2	1.1	1.2	1.1	1.1	1.1
155.5°	1.2	1.1	1.2	1.1	1.1	1.1
156°	1.2	1.1	1.2	1.1	1.1	1.1
156.5°	1.2	1.1	1.2	1.1	1.1	1.1
157°	1.2	1.1	1.2	1.1	1.1	1.1



TEST NUMBER: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.2	1.1	1.2	1.1	1.1	1.1
158°	1.2	1.1	1.2	1.1	1.1	1.1
158.5°	1.2	1.1	1.2	1.1	1.1	1.1
159°	1.2	1.1	1.2	1.1	1.1	1.1
159.5°	1.2	1.1	1.2	1.1	1.1	1.1
160°	1.2	1.1	1.2	1.1	1.1	1.1
160.5°	1.2	1.1	1.2	1.1	1.1	1.1
161°	1.2	1.1	1.2	1.1	1.1	1.1
161.5°	1.3	1.1	1.2	1.1	1.1	1.1
162°	1.3	1.1	1.2	1.1	1.1	1.1
162.5°	1.2	1.1	1.2	1.1	1.1	1.1
163°	1.2	1.1	1.2	1.1	1.1	1.1
163.5°	1.2	1.1	1.2	1.1	1.1	1.1
164°	1.2	1.1	1.2	1.1	1.1	1.1
164.5°	1.2	1.1	1.2	1.1	1.1	1.1
165°	1.2	1.1	1.2	1.1	1.1	1.1
165.5°	1.2	1.1	1.2	1.1	1.1	1.1
166°	1.3	1.1	1.2	1.1	1.1	1.1
166.5°	1.3	1.1	1.2	1.1	1.1	1.1
167°	1.2	1.1	1.2	1.2	1.1	1.1
167.5°	1.2	1.1	1.2	1.2	1.1	1.1
168°	1.2	1.1	1.2	1.2	1.1	1.1
168.5°	1.2	1.1	1.2	1.2	1.1	1.1
169°	1.2	1.1	1.2	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: P473759

CATALOG NUMBER: HLB6099BLE40AWH-4000K

**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)