

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: P565401

Luminaire Tested: **HLBQL6069FS1E-2700K-UNIT**

Issue Date: 8/31/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2109887F005)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 8/31/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: HLBQL6069FS1E-2700K-UNIT  
Description: 6in Surface Mount Downlight Fixture with Color Selectable Switch  
Light Source: (72) 2700K CCT, 93 CRI LEDS  
Ballast/Driver: -

**Summary**

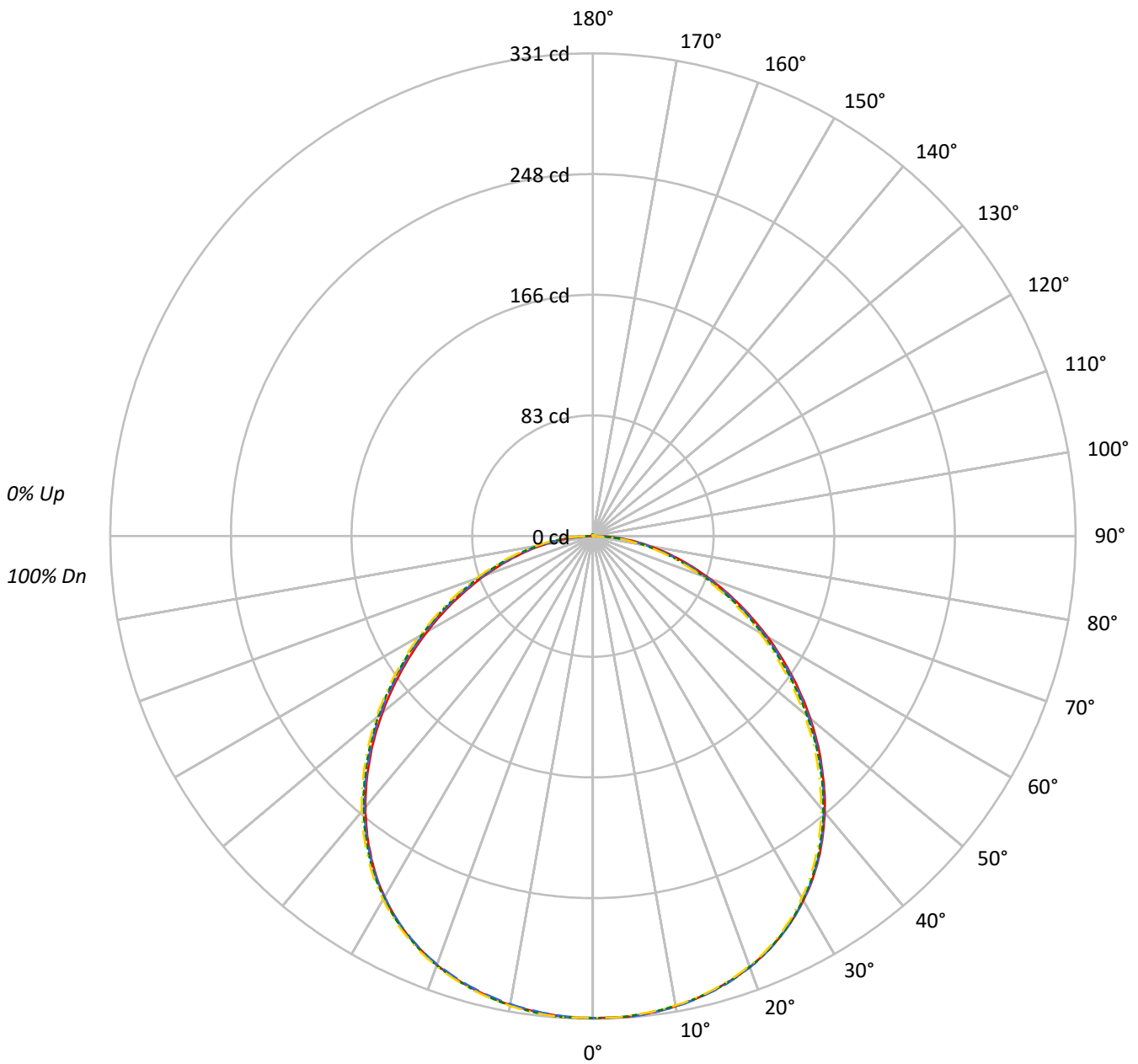
Lumens per Lamp: N/A  
Luminaire Lumens: 945.0 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.37  
Luminous Opening: Circular (Dia: 0.5m x H: 0m)  
CIE Type: Direct

Input Watts (W): 12  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P565401  
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### Luminous Intensity Polar Plot



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	78	75	72	72	72	72	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	36	36	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	32	32	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	26	26	26	24

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

	0°	90°	180°	270°
0°	1683	1683	1683	1683
5°	1688	1686	1684	1687
10°	1693	1691	1687	1690
15°	1699	1698	1693	1695
20°	1706	1704	1696	1697
25°	1706	1704	1694	1696
30°	1697	1694	1680	1686
35°	1678	1672	1652	1663
40°	1645	1635	1614	1628
45°	1597	1582	1559	1578
50°	1543	1520	1493	1520
55°	1478	1447	1417	1454
60°	1408	1371	1338	1380
65°	1336	1287	1256	1305
70°	1269	1203	1172	1236
75°	1208	1124	1090	1169
80°	1167	1050	1012	1117
85°	1186	982	923	1122



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.4	3.3
10°-20°	90.8	9.6
20°-30°	139.3	14.7
30°-40°	167.4	17.7
40°-50°	169.3	17.9
50°-60°	147.1	15.6
60°-70°	108.9	11.5
70°-80°	64.7	6.9
80°-90°	22.8	2.4
90°-100°	1.3	0.1
100°-110°	0.1	0.0
110°-120°	0.2	0.0
120°-130°	0.2	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	261.5	27.7
0°-40°	429.0	45.4
0°-60°	745.4	78.9
0°-90°	941.8	99.7
90°-120°	1.5	0.2
90°-150°	2.6	0.3
90°-180°	3.0	0.3
0°-180°	945.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	330	330	330	330	330	
5°	330	330	329	330	330	31
15°	322	322	321	321	322	91
25°	304	303	301	302	304	140
35°	270	269	266	268	270	169
45°	222	220	216	219	222	171
55°	166	163	160	164	166	149
65°	111	107	104	108	111	110
75°	61	57	55	59	61	65
85°	20	17	16	19	20	21
90°	3	0	0	2	3	2
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	1	1	0	0	1	0
145°	1	1	0	1	1	1
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5	330.5
0.5°	330.5	330.4	330.5	330.5	330.5	330.5	330.4	330.5	330.4	330.5	330.4
1°	330.4	330.4	330.4	330.5	330.5	330.4	330.4	330.5	330.4	330.4	330.4
1.5°	330.4	330.4	330.4	330.5	330.5	330.4	330.4	330.5	330.4	330.3	330.4
2°	330.4	330.4	330.4	330.5	330.5	330.4	330.4	330.4	330.3	330.2	330.2
2.5°	330.4	330.4	330.4	330.5	330.4	330.3	330.4	330.3	330.2	330.1	330.0
3°	330.4	330.4	330.4	330.5	330.4	330.3	330.4	330.2	330.2	330.1	330.0
3.5°	330.4	330.4	330.4	330.5	330.4	330.3	330.4	330.2	330.2	330.1	329.9
4°	330.5	330.4	330.4	330.5	330.2	330.1	330.1	329.9	329.9	329.9	329.7
4.5°	330.5	330.4	330.4	330.5	330.0	329.8	329.7	329.7	329.6	329.5	329.3
5°	330.2	330.3	330.4	330.6	329.8	329.6	329.6	329.5	329.4	329.3	329.1
5.5°	330.0	330.2	330.2	330.4	329.5	329.4	329.5	329.3	329.2	329.2	328.9
6°	329.9	330.0	330.0	330.2	329.3	329.2	329.2	329.2	329.0	328.8	328.7
6.5°	329.6	329.7	329.7	329.9	329.2	329.0	329.0	328.9	328.6	328.5	328.3
7°	329.3	329.5	329.6	329.7	328.9	328.7	328.8	328.5	328.4	328.3	328.0
7.5°	329.1	329.3	329.2	329.5	328.6	328.4	328.4	328.2	328.1	327.9	327.8
8°	328.8	329.0	328.9	329.2	328.4	328.2	328.2	328.0	327.8	327.4	327.4
8.5°	328.4	328.7	328.6	328.9	328.1	327.8	327.9	327.6	327.4	327.1	327.0
9°	328.1	328.4	328.3	328.5	327.7	327.5	327.5	327.2	327.1	326.8	326.7
9.5°	327.7	327.9	327.9	328.2	327.3	327.2	327.2	327.0	326.8	326.4	326.2
10°	327.3	327.5	327.6	327.7	327.0	326.7	326.8	326.6	326.3	326.1	325.9
10.5°	327.0	327.2	327.1	327.3	326.7	326.5	326.4	326.2	326.1	325.6	325.3
11°	326.5	326.7	326.8	326.9	326.3	326.1	326.2	325.8	325.5	325.1	325.0
11.5°	326.1	326.2	326.3	326.6	325.8	325.6	325.5	325.3	325.0	324.6	324.5
12°	325.6	325.8	325.8	326.1	325.3	325.1	325.1	324.8	324.5	324.3	323.9
12.5°	325.0	325.3	325.4	325.5	324.8	324.6	324.5	324.3	323.9	323.6	323.4
13°	324.5	324.8	324.8	325.0	324.3	324.1	324.0	323.7	323.3	323.0	322.8
13.5°	324.0	324.2	324.2	324.5	323.7	323.5	323.4	323.2	322.8	322.4	322.2
14°	323.5	323.7	323.7	323.9	323.2	323.0	322.9	322.6	322.2	321.9	321.7
14.5°	322.8	323.1	323.1	323.2	322.6	322.4	322.3	322.1	321.6	321.2	321.0
15°	322.2	322.5	322.6	322.7	322.1	321.8	321.7	321.3	321.0	320.7	320.4
15.5°	321.6	321.8	321.9	321.9	321.4	321.1	321.0	320.7	320.3	319.8	319.8
16°	320.8	321.2	321.2	321.3	320.7	320.5	320.3	320.0	319.5	319.3	319.1
16.5°	320.1	320.4	320.5	320.6	320.0	319.8	319.6	319.3	318.8	318.5	318.3
17°	319.4	319.7	319.8	319.9	319.3	319.0	318.9	318.5	318.1	317.9	317.6
17.5°	318.7	319.0	319.0	319.0	318.6	318.3	318.1	317.8	317.3	317.1	316.7
18°	317.8	318.1	318.2	318.3	317.9	317.4	317.2	316.9	316.5	316.2	315.9
18.5°	317.1	317.3	317.4	317.5	316.9	316.6	316.4	316.0	315.7	315.3	315.0
19°	316.2	316.5	316.5	316.5	316.1	315.8	315.5	315.1	314.8	314.6	314.2
19.5°	315.4	315.6	315.6	315.6	315.2	314.9	314.6	314.3	313.9	313.6	313.6
20°	314.7	314.7	314.8	314.8	314.4	314.0	313.9	313.4	312.9	312.8	312.5
20.5°	313.6	313.8	313.8	313.9	313.5	313.0	312.9	312.4	311.9	311.7	311.4
21°	312.6	312.7	312.8	312.8	312.6	312.0	311.7	311.3	310.9	310.7	310.5
21.5°	311.6	311.8	311.8	311.8	311.4	311.0	310.7	310.3	309.8	309.7	309.5
22°	310.6	310.8	310.8	310.7	310.4	309.9	309.6	309.2	308.7	308.5	308.4



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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°	309.4	309.6	309.6	309.6	309.3	308.8	308.5	308.0	307.6	307.4	307.2
23°	308.4	308.6	308.5	308.5	308.2	307.6	307.3	306.9	306.5	306.0	306.1
23.5°	307.2	307.4	307.3	307.3	307.0	306.5	306.0	305.7	305.2	304.9	304.8
24°	306.0	306.2	306.1	306.1	305.8	305.2	304.8	304.4	304.0	303.8	303.6
24.5°	304.7	305.0	304.9	304.7	304.5	303.9	303.5	303.1	302.7	302.4	302.3
25°	303.5	303.7	303.6	303.3	303.2	302.6	302.1	301.8	301.4	301.1	300.9
25.5°	302.1	302.3	302.3	302.1	301.9	301.3	300.8	300.4	300.0	299.7	299.7
26°	300.7	301.0	300.9	300.7	300.5	299.9	299.4	299.0	298.6	298.5	298.3
26.5°	299.3	299.6	299.5	299.3	299.1	298.5	297.9	297.8	297.2	297.0	296.9
27°	298.1	298.2	298.2	297.9	297.8	296.9	296.5	296.0	295.7	295.5	295.4
27.5°	296.5	296.7	296.6	296.3	296.1	295.4	294.9	294.3	294.1	294.1	293.9
28°	295.0	295.2	295.0	294.7	294.6	293.8	293.3	292.9	292.5	292.4	292.4
28.5°	293.5	293.7	293.5	293.4	292.9	292.3	291.6	291.0	290.8	290.8	290.8
29°	291.9	292.0	291.9	291.5	291.4	290.6	290.0	289.6	289.2	289.2	289.2
29.5°	290.3	290.5	290.2	289.8	289.7	288.9	288.3	287.9	287.4	287.4	287.5
30°	288.6	288.8	288.4	288.1	288.0	287.1	286.5	286.1	285.7	285.7	285.8
30.5°	286.9	287.0	286.7	286.3	286.2	285.4	284.8	284.3	283.9	283.9	284.0
31°	285.2	285.2	285.0	284.4	284.5	283.5	283.0	282.5	282.1	282.1	282.3
31.5°	283.5	283.4	283.1	282.7	282.6	281.7	281.2	280.7	280.3	280.3	280.7
32°	281.8	281.8	281.4	280.9	280.9	279.9	279.3	278.8	278.4	278.3	278.8
32.5°	279.9	279.9	279.6	279.0	279.0	278.1	277.4	276.9	276.4	276.2	276.9
33°	278.0	278.0	277.7	277.1	277.1	276.1	275.4	274.9	274.4	274.5	274.9
33.5°	276.0	275.9	275.6	275.0	275.0	273.9	273.3	272.9	272.4	272.1	272.9
34°	274.0	274.0	273.7	272.9	273.1	272.0	271.2	270.7	270.3	270.3	270.8
34.5°	272.0	271.9	271.5	270.8	271.0	269.9	269.1	268.7	268.3	268.2	268.8
35°	269.9	269.8	269.5	268.7	268.9	267.7	266.9	266.4	265.7	266.2	266.6
35.5°	267.8	267.7	267.3	266.6	266.7	265.6	264.7	264.3	263.6	264.0	264.5
36°	265.7	265.6	265.1	264.5	264.5	263.4	262.5	262.1	261.7	261.8	262.3
36.5°	263.5	263.4	262.9	262.4	262.2	261.1	260.3	259.7	259.4	259.5	260.1
37°	261.2	261.1	260.6	260.3	259.9	258.8	258.0	257.4	257.2	257.3	257.9
37.5°	259.0	258.8	258.4	258.2	257.7	256.6	255.6	255.1	254.7	255.0	255.5
38°	256.7	256.5	256.0	256.1	255.3	254.2	253.3	252.8	252.4	252.6	253.2
38.5°	254.3	254.2	253.7	254.0	253.1	251.8	250.8	250.3	250.0	250.2	250.8
39°	252.0	251.8	251.4	251.9	250.7	249.4	248.6	248.0	247.6	247.9	248.6
39.5°	249.7	249.5	249.1	249.8	248.4	247.2	246.2	245.5	245.3	245.5	246.2
40°	247.4	247.1	246.5	247.7	245.9	244.6	243.6	243.1	242.7	243.0	243.7
40.5°	244.9	244.6	244.0	245.6	243.3	242.1	241.0	240.5	240.3	240.4	241.2
41°	242.4	242.2	241.5	243.5	240.6	239.6	238.5	237.9	237.7	238.0	238.7
41.5°	240.0	239.7	239.0	241.4	238.3	237.0	235.9	235.4	235.1	235.3	236.0
42°	237.4	237.0	236.5	239.3	235.7	234.4	233.2	232.8	232.5	232.7	233.6
42.5°	234.8	234.5	233.9	237.2	233.1	231.8	230.6	230.1	229.9	230.1	231.0
43°	232.4	232.1	231.3	235.1	230.5	229.1	227.9	227.5	227.2	227.5	228.4
43.5°	229.6	229.4	228.7	233.0	227.9	226.4	225.3	224.7	224.5	224.8	225.8
44°	227.0	226.8	226.0	230.9	225.1	223.7	222.5	222.0	221.8	222.1	222.8
44.5°	224.4	224.1	223.4	228.8	222.4	220.9	219.8	219.3	219.1	219.4	220.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	221.7	221.4	220.7	226.8	219.7	218.3	217.1	216.7	216.4	216.7	217.7
45.5°	219.1	218.7	217.9	224.7	217.0	215.6	214.4	213.9	213.8	214.1	215.2
46°	216.6	216.2	215.4	222.5	214.3	212.9	211.6	211.2	211.0	211.4	212.5
46.5°	213.9	213.6	212.6	220.4	211.6	210.0	208.9	208.3	208.2	208.6	209.7
47°	211.2	210.7	209.8	218.4	208.8	207.2	206.0	205.6	205.4	205.8	207.1
47.5°	208.3	207.8	207.1	216.3	206.0	204.4	203.1	202.8	202.6	203.1	204.3
48°	205.6	205.2	204.3	214.2	203.1	201.6	200.3	200.0	199.8	200.2	201.5
48.5°	202.9	202.6	201.6	212.1	200.4	198.8	197.4	197.1	196.9	197.4	198.7
49°	200.3	199.8	199.0	210.0	197.5	195.8	194.5	194.3	194.2	194.6	195.9
49.5°	197.4	196.8	196.0	207.9	194.7	193.1	191.7	191.4	191.3	191.7	193.0
50°	194.7	194.1	193.1	205.8	191.8	190.2	188.7	188.6	188.4	188.9	190.3
50.5°	191.8	191.3	190.3	203.7	188.9	187.3	185.9	185.6	185.5	186.0	187.4
51°	189.0	188.4	187.5	201.6	186.0	184.4	183.0	182.8	182.7	183.2	184.6
51.5°	186.2	185.5	184.7	199.5	183.3	181.6	180.2	180.0	179.8	180.5	181.9
52°	183.5	183.0	181.9	197.4	180.4	178.7	177.2	177.0	177.0	177.5	179.1
52.5°	180.6	180.0	179.2	195.3	177.4	175.7	174.3	174.2	174.0	174.7	176.3
53°	177.7	177.2	176.3	193.2	174.5	172.9	171.3	171.3	171.1	171.8	173.4
53.5°	174.9	174.2	173.4	191.1	171.7	169.9	168.5	168.4	168.2	168.9	170.6
54°	172.1	171.3	170.5	189.0	168.8	167.1	165.6	165.5	165.3	166.0	167.6
54.5°	169.2	168.5	167.8	186.9	165.9	164.1	162.7	162.6	162.4	163.1	164.8
55°	166.4	165.8	164.8	184.8	163.0	161.3	159.8	159.8	159.6	160.2	161.9
55.5°	163.5	162.8	161.9	182.7	160.0	158.4	156.9	156.9	156.7	157.4	159.1
56°	160.7	159.9	159.1	180.6	157.2	155.5	154.0	154.0	153.9	154.6	156.2
56.5°	157.8	157.1	156.3	178.5	154.4	152.7	151.3	151.2	151.2	151.8	153.3
57°	155.0	154.2	153.4	176.4	151.6	150.0	148.5	148.4	148.3	149.1	150.7
57.5°	152.3	151.5	150.6	174.3	148.9	147.1	145.7	145.6	145.4	146.3	147.8
58°	149.5	148.7	147.9	172.2	146.0	144.3	142.8	142.8	142.7	143.4	145.0
58.5°	146.7	145.9	145.0	170.1	143.2	141.4	140.0	139.9	139.8	140.6	142.1
59°	144.0	143.1	142.1	168.0	140.2	138.6	137.2	137.0	137.0	137.8	139.3
59.5°	141.0	140.1	139.3	165.9	137.5	135.7	134.5	134.2	134.2	135.0	136.5
60°	138.2	137.4	136.4	163.8	134.6	132.9	131.6	131.4	131.4	132.3	133.8
60.5°	135.4	134.6	133.6	161.7	131.8	130.1	128.9	128.7	128.6	129.5	131.0
61°	132.6	131.9	130.8	159.6	128.9	127.2	126.1	125.8	125.9	126.8	128.2
61.5°	129.8	129.0	128.1	157.5	126.2	124.5	123.3	123.1	123.1	124.0	125.4
62°	127.1	126.2	125.2	155.4	123.3	121.7	120.6	120.1	120.4	121.3	122.7
62.5°	124.3	123.6	122.5	153.3	120.6	118.9	118.0	117.6	117.7	118.6	119.9
63°	121.6	120.8	119.7	151.2	117.9	116.2	115.2	114.8	114.9	115.9	117.2
63.5°	118.9	118.2	117.2	149.1	115.0	113.5	112.6	112.1	112.2	113.1	114.5
64°	116.3	115.6	114.4	147.0	112.3	110.8	109.8	109.3	109.6	110.5	111.8
64.5°	113.6	112.9	111.6	144.9	109.6	108.0	107.1	106.6	106.9	107.8	109.1
65°	110.9	110.2	109.0	142.8	106.8	105.3	104.5	103.8	104.2	105.1	106.4
65.5°	108.2	107.6	106.2	140.7	104.1	102.6	101.8	101.2	101.5	102.5	103.8
66°	105.6	104.8	103.5	138.6	101.4	99.9	99.1	98.5	98.9	99.8	101.1
66.5°	103.0	102.5	100.9	136.5	98.7	97.2	96.6	95.8	96.3	97.2	98.4
67°	100.4	99.7	98.4	134.4	96.0	94.6	93.9	93.2	93.7	94.6	95.8





TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	97.8	97.1	95.6	132.3	93.5	91.9	91.3	90.6	91.0	92.0	93.2
68°	95.2	94.5	93.1	130.2	90.8	89.4	88.7	88.0	88.6	89.5	90.6
68.5°	92.6	92.0	90.4	128.1	88.2	86.7	86.3	85.7	86.2	87.0	88.1
69°	90.1	89.5	87.9	126.0	85.9	84.4	83.8	83.1	83.7	84.6	85.7
69.5°	87.6	87.1	85.5	123.9	83.2	81.9	81.3	80.5	81.3	82.1	83.1
70°	85.2	84.6	83.0	121.8	80.8	79.2	78.7	78.1	78.7	79.6	80.6
70.5°	82.8	82.2	80.5	119.7	78.3	76.8	76.2	75.6	76.3	77.2	78.2
71°	80.3	79.8	78.0	117.6	75.9	74.4	73.8	73.2	73.8	74.7	75.8
71.5°	77.8	77.3	75.5	115.5	73.4	72.0	71.4	70.7	71.5	72.3	73.3
72°	75.4	74.9	73.1	113.4	71.0	69.6	69.1	68.3	69.1	70.0	70.9
72.5°	73.0	72.4	70.7	111.3	68.7	67.3	66.7	66.0	66.8	67.5	68.6
73°	70.6	69.9	68.3	109.2	66.2	64.9	64.3	63.7	64.4	65.2	66.2
73.5°	68.2	67.6	66.0	107.1	63.9	62.6	61.9	61.3	62.2	62.9	63.9
74°	65.9	65.3	63.7	105.0	61.6	60.4	59.7	59.0	59.9	60.7	61.7
74.5°	63.6	62.9	61.4	102.9	59.4	58.1	57.5	56.8	57.6	58.4	59.4
75°	61.4	60.7	59.1	100.8	57.1	55.8	55.2	54.7	55.4	56.3	57.2
75.5°	59.1	58.4	56.9	98.7	54.9	53.6	53.1	52.6	53.4	54.1	55.0
76°	56.8	56.3	54.6	96.6	52.8	51.5	50.9	50.4	51.1	51.9	53.0
76.5°	54.6	54.2	52.6	94.5	50.5	49.4	48.8	48.3	49.0	49.7	50.8
77°	52.6	51.8	50.4	92.4	48.4	47.2	46.6	46.1	46.8	47.7	48.7
77.5°	50.4	49.7	48.2	90.3	46.3	45.1	44.4	44.1	44.8	45.5	46.6
78°	48.2	47.5	46.1	88.2	44.2	43.0	42.4	42.1	42.7	43.4	44.6
78.5°	46.0	45.4	44.1	86.1	42.0	41.0	40.2	40.0	40.6	41.4	42.5
79°	44.0	43.3	42.1	84.0	40.0	38.9	38.2	38.0	38.5	39.3	40.5
79.5°	42.0	41.2	39.9	81.9	38.0	36.9	36.2	35.9	36.6	37.3	38.4
80°	39.8	39.1	37.8	79.8	35.8	34.8	34.1	34.0	34.5	35.3	36.5
80.5°	37.8	37.1	35.8	77.7	33.8	32.7	32.1	32.0	32.6	33.3	34.6
81°	35.7	35.1	33.8	75.6	31.9	30.7	30.1	30.1	30.5	31.4	32.6
81.5°	33.7	33.1	31.8	73.5	29.9	28.8	28.1	28.1	28.6	29.4	30.6
82°	31.7	31.0	29.8	71.4	27.9	26.8	26.2	26.2	26.7	27.5	28.7
82.5°	29.8	29.1	27.9	69.3	25.9	25.0	24.3	24.3	24.8	25.6	26.8
83°	27.7	27.1	26.0	67.2	24.1	23.0	22.4	22.5	22.9	23.7	24.9
83.5°	25.9	25.2	23.9	65.1	22.1	21.2	20.7	20.8	21.1	21.8	23.0
84°	24.0	23.2	22.2	63.0	20.4	19.5	18.8	18.9	19.4	20.1	21.1
84.5°	22.1	21.6	20.4	60.9	18.6	17.6	17.0	17.1	17.6	18.3	19.6
85°	20.3	19.6	18.5	58.8	16.8	15.9	15.2	15.4	15.8	16.6	17.7
85.5°	18.5	17.8	16.7	56.7	15.0	14.1	13.4	13.7	14.0	14.8	16.0
86°	16.7	15.9	14.9	54.6	13.2	12.3	11.6	11.9	12.3	13.1	14.2
86.5°	14.9	14.2	13.1	52.5	11.5	10.5	9.9	10.2	10.6	11.4	12.5
87°	13.2	12.4	11.3	50.4	9.7	8.8	8.1	8.5	8.9	9.6	10.8
87.5°	11.4	10.6	9.7	48.3	7.9	7.0	6.4	6.8	7.1	8.0	9.1
88°	9.7	8.9	8.0	46.2	6.2	5.3	4.8	5.2	5.5	6.4	7.5
88.5°	7.9	7.2	6.3	44.1	4.5	3.6	3.2	3.5	3.8	4.6	5.8
89°	6.2	5.5	4.5	42.0	2.8	2.0	1.6	1.7	2.3	3.0	4.3
89.5°	4.5	3.8	2.9	39.9	1.3	0.6	0.4	0.3	0.7	1.4	2.6



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.9	2.3	1.4	37.8	0.2	0.0	0.0	0.0	0.0	0.2	1.1
90.5°	1.5	0.9	0.3	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.4	0.2	0.1	33.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.1	0.1	0.1	31.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.1	0.1	0.1	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.1	0.1	0.1	27.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0
93°	0.1	0.1	0.1	25.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
93.5°	0.1	0.1	0.1	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.1	0.1	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.1	0.1	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.1	0.1	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.1	0.1	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.1	0.1	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.1	0.1	10.6	0.0	0.0	0.1	0.1	0.0	0.0	0.0
97°	0.0	0.1	0.1	8.5	0.0	0.0	0.1	0.0	0.0	0.0	0.1
97.5°	0.0	0.1	0.1	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
98°	0.0	0.1	0.1	4.3	0.0	0.0	0.0	0.1	0.0	0.1	0.0
98.5°	0.0	0.1	0.1	2.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
99°	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1
99.5°	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1
100°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1
100.5°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1
104°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.2	0.1
104.5°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1
105°	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.2	0.1	0.1
105.5°	0.0	0.1	0.1	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.2
106°	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.2
106.5°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1
108.5°	0.0	0.1	0.1	0.0	0.1	0.2	0.3	0.1	0.1	0.1	0.1
109°	0.0	0.1	0.1	0.0	0.1	0.1	0.3	0.1	0.1	0.2	0.1
109.5°	0.0	0.1	0.1	0.0	0.1	0.3	0.2	0.1	0.1	0.2	0.2
110°	0.0	0.0	0.1	0.0	0.2	0.3	0.2	0.2	0.2	0.2	0.2
110.5°	0.0	0.0	0.1	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.3
111°	0.0	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.3
111.5°	0.0	0.1	0.1	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2
112°	0.0	0.0	0.1	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.3



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.1	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3
113°	0.0	0.0	0.1	0.0	0.3	0.2	0.2	0.3	0.3	0.2	0.3
113.5°	0.0	0.0	0.1	0.0	0.3	0.3	0.2	0.3	0.3	0.3	0.3
114°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
114.5°	0.0	0.0	0.1	0.0	0.3	0.3	0.2	0.3	0.3	0.3	0.3
115°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
115.5°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
116°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
116.5°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
117°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.4	0.4
117.5°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.4	0.3	0.4
118°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.4	0.3	0.3
118.5°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
119°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.4	0.3	0.3	0.3
119.5°	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
120°	0.0	0.0	0.1	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3
120.5°	0.0	0.0	0.1	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.4
121°	0.0	0.0	0.2	0.0	0.3	0.3	0.4	0.3	0.3	0.4	0.4
121.5°	0.0	0.0	0.3	0.0	0.4	0.3	0.4	0.3	0.3	0.4	0.4
122°	0.0	0.0	0.2	0.0	0.4	0.4	0.4	0.4	0.3	0.4	0.4
122.5°	0.0	0.0	0.2	0.0	0.4	0.4	0.4	0.4	0.3	0.4	0.4
123°	0.0	0.0	0.2	0.0	0.4	0.4	0.4	0.4	0.3	0.4	0.4
123.5°	0.0	0.0	0.2	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
124°	0.0	0.0	0.2	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
124.5°	0.0	0.0	0.3	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
125°	0.0	0.0	0.3	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
125.5°	0.0	0.0	0.3	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.5
126°	0.0	0.0	0.3	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.5
126.5°	0.0	0.0	0.3	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
127°	0.1	0.1	0.3	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
127.5°	0.1	0.1	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
128°	0.1	0.2	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.5
128.5°	0.1	0.3	0.3	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.5
129°	0.1	0.3	0.3	0.0	0.4	0.4	0.5	0.4	0.4	0.4	0.5
129.5°	0.1	0.3	0.3	0.0	0.4	0.4	0.5	0.4	0.4	0.4	0.5
130°	0.1	0.3	0.3	0.0	0.4	0.5	0.6	0.4	0.4	0.4	0.6
130.5°	0.1	0.4	0.4	0.0	0.4	0.5	0.6	0.6	0.5	0.4	0.5
131°	0.2	0.4	0.3	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
131.5°	0.2	0.4	0.4	0.0	0.5	0.6	0.5	0.5	0.4	0.5	0.5
132°	0.2	0.4	0.4	0.0	0.5	0.6	0.5	0.5	0.4	0.5	0.5
132.5°	0.2	0.4	0.4	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
133°	0.3	0.4	0.5	0.0	0.5	0.6	0.6	0.5	0.5	0.5	0.5
133.5°	0.3	0.5	0.5	0.0	0.6	0.6	0.6	0.5	0.5	0.5	0.5
134°	0.3	0.4	0.4	0.0	0.6	0.6	0.6	0.5	0.5	0.5	0.5
134.5°	0.4	0.5	0.6	0.0	0.6	0.6	0.6	0.5	0.5	0.5	0.5



TEST NUMBER: P565401

CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.8	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.5	0.5	0.6
135.5°	0.8	0.6	0.5	0.0	0.6	0.6	0.6	0.6	0.5	0.5	0.6
136°	0.8	0.8	0.5	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
136.5°	0.8	0.8	0.6	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
137°	0.8	0.7	0.9	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
137.5°	0.8	0.7	0.9	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
138°	0.8	0.7	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
138.5°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
139°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.7
139.5°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.7
140°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
140.5°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
141°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
141.5°	0.8	0.9	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
142°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.6	0.6
142.5°	0.8	0.8	0.8	0.0	0.6	0.7	0.6	0.6	0.5	0.6	0.6
143°	0.8	0.8	0.8	0.0	0.6	0.7	0.6	0.6	0.5	0.6	0.6
143.5°	0.8	0.8	0.8	0.0	0.6	0.6	0.6	0.6	0.5	0.7	0.6
144°	0.8	0.8	0.8	0.0	0.6	0.7	0.6	0.6	0.5	0.7	0.8
144.5°	0.8	0.8	0.8	0.0	0.7	0.7	0.6	0.6	0.5	0.6	0.8
145°	0.8	0.8	0.8	0.0	0.6	0.7	0.6	0.6	0.5	0.6	0.7
145.5°	0.8	0.8	0.8	0.0	0.7	0.7	0.6	0.6	0.5	0.6	0.7
146°	0.8	0.8	0.8	0.0	0.8	0.7	0.7	0.6	0.5	0.6	0.7
146.5°	0.8	0.8	0.8	0.0	0.8	0.7	0.7	0.6	0.5	0.7	0.7
147°	0.8	0.8	0.8	0.0	0.7	0.7	0.7	0.7	0.6	0.7	0.8
147.5°	0.8	0.8	0.8	0.0	0.7	0.7	0.7	0.6	0.5	0.7	0.8
148°	0.8	0.8	0.8	0.0	0.7	0.7	0.7	0.6	0.5	0.8	0.8
148.5°	0.8	0.8	0.8	0.0	0.7	0.8	0.7	0.8	0.7	0.8	0.8
149°	0.8	0.8	0.8	0.0	0.7	0.8	0.7	0.8	0.7	0.8	0.8
149.5°	0.8	0.8	0.8	0.0	0.7	0.8	0.7	0.8	0.6	0.8	0.8
150°	0.8	0.8	0.8	0.0	0.7	0.8	0.7	0.8	0.6	0.8	0.8
150.5°	0.8	0.8	0.8	0.0	0.7	0.8	0.7	0.8	0.6	0.8	0.8
151°	0.8	0.8	0.8	0.0	0.7	0.8	0.7	0.8	0.6	0.8	0.8
151.5°	0.8	0.8	0.8	0.0	0.7	0.8	0.7	0.8	0.6	0.8	0.8
152°	0.8	0.8	0.8	0.0	0.7	0.9	0.7	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.0	0.7	0.9	0.7	0.8	0.8	0.8	0.8
153°	0.8	0.8	0.8	0.0	0.7	0.9	0.7	0.8	0.8	0.8	0.8
153.5°	0.8	0.8	0.8	0.0	0.7	0.9	0.7	0.8	0.8	0.8	0.8
154°	0.8	0.8	0.8	0.0	0.7	0.9	0.7	0.8	0.8	0.8	0.8
154.5°	0.8	0.8	0.8	0.0	0.7	0.9	0.7	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.8	0.8	0.8
155.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
156°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
156.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
157°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
158°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
158.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
159°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
159.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
160°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
160.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
161°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
161.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
162°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
162.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
163°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
163.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
164°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
164.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
165°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
165.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
166°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
166.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
167°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
167.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
168°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
168.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
169°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
169.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
170°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
170.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
171°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
171.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
172°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
172.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
173°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
173.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
174°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
174.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
175°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
175.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
176°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
176.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
177°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
177.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
178°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
178.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
179°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8
179.5°	0.8	0.8	0.8	0.0	0.7	1.0	0.7	0.8	0.9	0.8	0.8



TEST NUMBER: P565401  
CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	330.5	330.5	330.5	330.5	330.5	330.5
0.5°	330.5	330.5	330.4	330.5	330.6	330.5
1°	330.5	330.5	330.4	330.4	330.6	330.4
1.5°	330.4	330.5	330.4	330.4	330.6	330.4
2°	330.2	330.5	330.4	330.4	330.6	330.4
2.5°	330.2	330.5	330.4	330.4	330.6	330.4
3°	330.2	330.5	330.4	330.4	330.6	330.4
3.5°	330.1	330.6	330.4	330.5	330.6	330.4
4°	330.0	330.4	330.4	330.5	330.6	330.5
4.5°	329.5	330.2	330.1	330.3	330.4	330.5
5°	329.3	330.0	329.9	330.1	330.3	330.2
5.5°	329.0	329.8	329.7	329.9	330.0	330.0
6°	328.8	329.5	329.4	329.7	329.8	329.9
6.5°	328.4	329.2	329.2	329.4	329.5	329.6
7°	328.2	329.0	328.8	329.2	329.2	329.3
7.5°	327.9	328.6	328.6	328.9	329.0	329.1
8°	327.7	328.3	328.2	328.5	328.6	328.8
8.5°	327.3	328.0	327.9	328.2	328.3	328.4
9°	326.9	327.6	327.4	327.9	327.9	328.1
9.5°	326.4	327.3	327.1	327.4	327.6	327.7
10°	326.2	326.8	326.7	327.1	327.2	327.3
10.5°	325.7	326.4	326.2	326.6	326.8	327.0
11°	325.2	325.9	325.8	326.2	326.4	326.5
11.5°	324.6	325.4	325.4	325.8	325.8	326.1
12°	324.1	324.9	324.8	325.3	325.5	325.6
12.5°	323.6	324.4	324.3	324.7	324.9	325.0
13°	323.0	323.8	323.8	324.1	324.3	324.5
13.5°	322.3	323.2	323.2	323.5	323.8	324.0
14°	321.8	322.6	322.6	322.9	323.2	323.5
14.5°	321.2	322.1	322.0	322.2	322.6	322.8
15°	320.6	321.4	321.4	321.6	322.0	322.2
15.5°	319.8	320.6	320.7	320.9	321.3	321.6
16°	319.2	319.8	320.0	320.3	320.7	320.8
16.5°	318.4	319.2	319.2	319.6	320.0	320.1
17°	317.7	318.4	318.4	318.8	319.2	319.4
17.5°	316.9	317.6	317.7	318.1	318.5	318.7
18°	316.1	316.8	316.9	317.2	317.6	317.8
18.5°	315.3	316.0	316.0	316.4	316.8	317.1
19°	314.4	315.1	315.1	315.5	315.9	316.2
19.5°	313.8	314.2	314.3	314.7	315.1	315.4
20°	312.7	313.2	313.4	313.9	314.2	314.7
20.5°	311.7	312.3	312.3	312.8	313.4	313.6
21°	310.7	311.2	311.2	311.8	312.3	312.6
21.5°	309.7	310.2	310.3	310.9	311.3	311.6
22°	308.7	309.1	309.3	309.8	310.2	310.6



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	307.5	308.0	308.1	308.7	309.1	309.4
23°	306.4	306.8	306.9	307.5	307.9	308.4
23.5°	305.3	305.6	305.7	306.3	306.7	307.2
24°	304.0	304.3	304.6	305.1	305.6	306.0
24.5°	302.7	303.0	303.3	303.9	304.3	304.7
25°	301.5	301.8	302.0	302.6	303.0	303.5
25.5°	300.1	300.5	300.7	301.3	301.7	302.1
26°	298.8	299.2	299.3	300.0	300.4	300.7
26.5°	297.4	297.7	297.9	298.6	299.1	299.3
27°	295.9	296.2	296.5	297.2	297.6	298.1
27.5°	294.4	294.8	295.0	295.6	296.1	296.5
28°	292.9	293.2	293.5	294.1	294.8	295.0
28.5°	291.3	291.6	291.9	292.6	293.2	293.5
29°	289.7	290.0	290.3	291.0	291.6	291.9
29.5°	288.1	288.4	288.7	289.4	290.0	290.3
30°	286.4	286.7	287.0	287.8	288.4	288.6
30.5°	284.8	284.9	285.3	286.0	286.6	286.9
31°	282.9	283.1	283.5	284.3	284.9	285.2
31.5°	281.3	281.4	282.0	282.6	283.1	283.5
32°	279.4	279.6	280.0	280.9	281.5	281.8
32.5°	277.5	277.7	278.2	279.0	279.6	279.9
33°	275.6	275.8	276.3	277.0	277.8	278.0
33.5°	273.8	273.8	274.3	275.1	275.8	276.0
34°	271.6	271.8	272.2	273.1	273.8	274.0
34.5°	269.7	269.7	270.2	271.0	271.7	272.0
35°	267.2	267.5	268.1	268.9	269.7	269.9
35.5°	265.3	265.3	266.0	266.9	267.6	267.8
36°	263.2	263.2	263.9	264.8	265.5	265.7
36.5°	260.5	261.0	261.7	262.5	263.2	263.5
37°	258.8	258.7	259.4	260.4	261.1	261.2
37.5°	256.5	256.4	257.2	258.1	258.8	259.0
38°	254.1	254.2	254.8	255.8	256.6	256.7
38.5°	251.9	251.8	252.5	253.5	254.2	254.3
39°	249.5	249.6	250.2	251.2	251.9	252.0
39.5°	247.3	247.1	248.0	248.9	249.6	249.7
40°	244.9	244.8	245.6	246.5	247.2	247.4
40.5°	242.4	242.2	243.0	244.1	244.8	244.9
41°	239.9	239.7	240.7	241.6	242.4	242.4
41.5°	237.4	237.4	238.2	239.1	239.8	240.0
42°	234.9	234.7	235.7	236.7	237.2	237.4
42.5°	232.3	232.2	233.3	234.1	234.7	234.8
43°	229.7	229.6	230.5	231.4	232.2	232.4
43.5°	227.2	226.9	228.0	229.0	229.7	229.6
44°	224.5	224.3	225.4	226.3	227.1	227.0
44.5°	221.8	221.7	222.8	223.7	224.4	224.4





TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	219.1	219.1	220.1	221.1	221.9	221.7
45.5°	216.5	216.5	217.4	218.4	219.3	219.1
46°	214.0	213.8	214.9	215.8	216.7	216.6
46.5°	211.3	211.1	212.2	213.2	213.9	213.9
47°	208.5	208.5	209.5	210.4	211.1	211.2
47.5°	205.7	205.7	206.8	207.8	208.5	208.3
48°	203.0	202.9	204.0	204.9	205.7	205.6
48.5°	200.2	200.3	201.3	202.3	203.0	202.9
49°	197.4	197.5	198.6	199.5	200.3	200.3
49.5°	194.6	194.8	195.8	196.8	197.5	197.4
50°	191.7	191.9	192.9	193.9	194.8	194.7
50.5°	188.9	189.1	190.2	191.2	192.0	191.8
51°	186.1	186.3	187.5	188.4	189.1	189.0
51.5°	183.4	183.6	184.7	185.4	186.3	186.2
52°	180.4	180.7	182.0	182.7	183.7	183.5
52.5°	177.5	178.0	179.2	179.8	180.8	180.6
53°	174.7	175.0	176.3	177.0	178.1	177.7
53.5°	171.8	172.2	173.4	174.2	175.3	174.9
54°	168.9	169.3	170.6	171.2	172.3	172.1
54.5°	166.0	166.5	168.0	168.5	169.5	169.2
55°	163.2	163.7	165.1	165.6	166.7	166.4
55.5°	160.3	160.8	162.2	162.7	163.9	163.5
56°	157.5	158.0	159.4	159.9	161.0	160.7
56.5°	154.6	155.1	156.5	157.1	158.2	157.8
57°	151.8	152.4	153.7	154.2	155.4	155.0
57.5°	149.1	149.6	151.0	151.5	152.5	152.3
58°	146.3	146.9	148.3	148.7	149.9	149.5
58.5°	143.5	144.1	145.4	146.0	147.0	146.7
59°	140.7	141.1	142.5	143.1	144.2	144.0
59.5°	137.9	138.3	139.8	140.4	141.3	141.0
60°	135.2	135.5	137.0	137.5	138.6	138.2
60.5°	132.4	132.7	134.2	134.8	135.7	135.4
61°	129.7	130.1	131.3	131.9	133.0	132.6
61.5°	127.0	127.1	128.4	129.4	130.1	129.8
62°	124.3	124.3	125.7	126.6	127.4	127.1
62.5°	121.5	121.6	123.1	123.8	124.5	124.3
63°	118.9	119.1	120.2	121.1	121.7	121.6
63.5°	116.3	116.4	117.7	118.6	119.2	118.9
64°	113.7	113.8	115.1	116.1	116.4	116.3
64.5°	111.0	110.9	112.4	113.4	113.9	113.6
65°	108.3	108.3	109.7	110.7	111.0	110.9
65.5°	105.7	105.6	107.1	108.1	108.4	108.2
66°	103.1	103.1	104.2	105.7	105.8	105.6
66.5°	100.5	100.4	101.7	103.1	103.1	103.0
67°	97.9	97.9	99.2	100.4	100.4	100.4



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	95.3	95.3	96.5	97.8	97.9	97.8
68°	92.8	92.8	94.0	95.3	95.2	95.2
68.5°	90.3	90.2	91.5	92.8	92.7	92.6
69°	87.7	87.8	88.9	90.2	90.1	90.1
69.5°	85.3	85.4	86.7	87.7	87.5	87.6
70°	82.7	83.0	84.1	85.3	85.3	85.2
70.5°	80.4	80.5	81.7	82.9	82.8	82.8
71°	77.9	78.0	79.2	80.4	80.2	80.3
71.5°	75.4	75.6	76.7	78.0	77.8	77.8
72°	73.0	73.2	74.3	75.6	75.4	75.4
72.5°	70.7	70.9	72.0	73.2	73.0	73.0
73°	68.3	68.5	69.6	70.8	70.7	70.6
73.5°	65.9	66.3	67.2	68.4	68.2	68.2
74°	63.6	63.9	64.9	66.2	65.9	65.9
74.5°	61.4	61.5	62.6	63.8	63.6	63.6
75°	59.1	59.4	60.3	61.5	61.4	61.4
75.5°	56.9	57.1	58.1	59.1	59.0	59.1
76°	54.6	55.0	55.9	56.9	56.8	56.8
76.5°	52.6	52.9	53.9	54.7	54.7	54.6
77°	50.4	50.7	51.7	52.7	52.6	52.6
77.5°	48.3	48.5	49.8	50.4	50.5	50.4
78°	46.2	46.4	47.4	48.2	48.4	48.2
78.5°	44.0	44.4	45.4	46.1	46.3	46.0
79°	41.9	42.3	43.3	44.1	44.2	44.0
79.5°	40.0	40.2	41.3	41.9	42.1	42.0
80°	37.9	38.1	39.2	40.0	40.0	39.8
80.5°	35.9	36.1	37.3	37.9	38.0	37.8
81°	34.0	34.2	35.2	35.9	36.0	35.7
81.5°	32.0	32.2	33.3	33.9	34.0	33.7
82°	30.0	30.3	31.3	32.0	32.1	31.7
82.5°	28.1	28.4	29.4	30.0	30.2	29.8
83°	26.2	26.4	27.4	28.1	28.2	27.7
83.5°	24.3	24.5	25.6	26.2	26.3	25.9
84°	22.5	22.6	23.7	24.3	24.5	24.0
84.5°	20.8	21.0	22.0	22.3	22.5	22.1
85°	19.0	19.2	20.2	20.7	20.9	20.3
85.5°	17.3	17.5	18.4	18.8	19.0	18.5
86°	15.5	15.6	16.6	17.1	17.2	16.7
86.5°	13.7	13.9	14.8	15.3	15.4	14.9
87°	12.1	12.2	13.1	13.5	13.6	13.2
87.5°	10.4	10.4	11.4	11.8	11.9	11.4
88°	8.7	8.8	9.7	10.1	10.1	9.7
88.5°	7.0	7.2	8.0	8.3	8.5	7.9
89°	5.4	5.5	6.3	6.7	6.7	6.2
89.5°	3.8	3.8	4.6	5.1	5.2	4.5



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	2.2	2.3	2.9	3.4	3.3	2.9
90.5°	0.8	1.0	1.5	1.9	1.9	1.5
91°	0.0	0.4	0.6	0.7	0.7	0.4
91.5°	0.0	0.2	0.3	0.3	0.3	0.1
92°	0.0	0.1	0.1	0.2	0.2	0.1
92.5°	0.0	0.1	0.1	0.1	0.1	0.1
93°	0.0	0.1	0.1	0.1	0.1	0.1
93.5°	0.0	0.1	0.1	0.1	0.1	0.1
94°	0.0	0.1	0.1	0.1	0.1	0.0
94.5°	0.1	0.1	0.1	0.0	0.1	0.0
95°	0.0	0.1	0.1	0.0	0.1	0.0
95.5°	0.0	0.1	0.1	0.0	0.1	0.0
96°	0.0	0.1	0.0	0.0	0.1	0.0
96.5°	0.0	0.1	0.0	0.0	0.1	0.0
97°	0.0	0.1	0.0	0.0	0.1	0.0
97.5°	0.0	0.1	0.0	0.0	0.1	0.0
98°	0.0	0.1	0.0	0.0	0.1	0.0
98.5°	0.0	0.1	0.0	0.0	0.1	0.0
99°	0.0	0.1	0.0	0.0	0.1	0.0
99.5°	0.0	0.1	0.0	0.0	0.1	0.0
100°	0.0	0.1	0.0	0.0	0.1	0.0
100.5°	0.0	0.1	0.0	0.0	0.1	0.0
101°	0.0	0.1	0.0	0.0	0.1	0.0
101.5°	0.0	0.1	0.0	0.0	0.1	0.0
102°	0.0	0.1	0.0	0.0	0.1	0.0
102.5°	0.1	0.1	0.0	0.0	0.1	0.0
103°	0.1	0.1	0.0	0.0	0.1	0.0
103.5°	0.1	0.1	0.0	0.0	0.1	0.0
104°	0.1	0.1	0.0	0.0	0.1	0.0
104.5°	0.1	0.1	0.0	0.0	0.1	0.0
105°	0.1	0.1	0.0	0.0	0.1	0.0
105.5°	0.1	0.1	0.0	0.0	0.1	0.0
106°	0.2	0.1	0.0	0.0	0.1	0.0
106.5°	0.1	0.1	0.0	0.0	0.1	0.0
107°	0.1	0.1	0.0	0.0	0.1	0.0
107.5°	0.1	0.1	0.0	0.0	0.1	0.0
108°	0.2	0.1	0.0	0.0	0.1	0.0
108.5°	0.2	0.1	0.0	0.0	0.1	0.0
109°	0.1	0.1	0.0	0.0	0.1	0.0
109.5°	0.3	0.1	0.0	0.0	0.1	0.0
110°	0.3	0.1	0.0	0.0	0.1	0.0
110.5°	0.2	0.1	0.0	0.0	0.1	0.0
111°	0.2	0.1	0.0	0.0	0.1	0.0
111.5°	0.2	0.1	0.0	0.0	0.1	0.0
112°	0.2	0.1	0.0	0.0	0.1	0.0



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.3	0.1	0.0	0.0	0.1	0.0
113°	0.3	0.1	0.0	0.0	0.1	0.0
113.5°	0.3	0.1	0.0	0.0	0.1	0.0
114°	0.3	0.1	0.0	0.0	0.1	0.0
114.5°	0.3	0.1	0.0	0.0	0.1	0.0
115°	0.3	0.1	0.0	0.0	0.1	0.0
115.5°	0.3	0.2	0.0	0.0	0.1	0.0
116°	0.3	0.2	0.0	0.0	0.1	0.0
116.5°	0.3	0.1	0.0	0.0	0.1	0.0
117°	0.3	0.1	0.0	0.0	0.1	0.0
117.5°	0.3	0.1	0.0	0.0	0.1	0.0
118°	0.3	0.1	0.0	0.0	0.1	0.0
118.5°	0.3	0.1	0.0	0.0	0.1	0.0
119°	0.3	0.1	0.0	0.0	0.1	0.0
119.5°	0.3	0.1	0.0	0.0	0.1	0.0
120°	0.3	0.1	0.0	0.0	0.1	0.0
120.5°	0.3	0.1	0.0	0.0	0.1	0.0
121°	0.3	0.1	0.0	0.0	0.1	0.0
121.5°	0.4	0.1	0.1	0.0	0.1	0.0
122°	0.4	0.1	0.0	0.0	0.1	0.0
122.5°	0.4	0.1	0.0	0.0	0.1	0.0
123°	0.4	0.1	0.1	0.0	0.1	0.0
123.5°	0.4	0.1	0.1	0.0	0.1	0.0
124°	0.4	0.1	0.1	0.0	0.1	0.0
124.5°	0.4	0.1	0.1	0.0	0.1	0.0
125°	0.4	0.1	0.1	0.0	0.1	0.0
125.5°	0.4	0.1	0.1	0.0	0.1	0.0
126°	0.4	0.1	0.1	0.0	0.1	0.0
126.5°	0.5	0.1	0.1	0.0	0.1	0.0
127°	0.5	0.2	0.1	0.0	0.1	0.1
127.5°	0.4	0.1	0.1	0.0	0.1	0.1
128°	0.4	0.1	0.1	0.0	0.1	0.1
128.5°	0.4	0.2	0.1	0.0	0.1	0.1
129°	0.4	0.3	0.1	0.0	0.1	0.1
129.5°	0.5	0.3	0.1	0.1	0.1	0.1
130°	0.5	0.3	0.1	0.1	0.1	0.1
130.5°	0.5	0.3	0.2	0.1	0.1	0.1
131°	0.5	0.3	0.3	0.1	0.1	0.2
131.5°	0.5	0.3	0.3	0.1	0.1	0.2
132°	0.5	0.3	0.3	0.1	0.2	0.2
132.5°	0.5	0.3	0.3	0.1	0.1	0.2
133°	0.5	0.3	0.3	0.2	0.3	0.3
133.5°	0.5	0.3	0.4	0.2	0.4	0.3
134°	0.6	0.4	0.4	0.3	0.3	0.3
134.5°	0.6	0.4	0.4	0.4	0.3	0.4



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.6	0.4	0.4	0.5	0.4	0.8
135.5°	0.6	0.5	0.4	0.5	0.5	0.8
136°	0.6	0.5	0.5	0.4	0.9	0.8
136.5°	0.6	0.5	0.5	0.4	1.0	0.8
137°	0.6	0.5	0.6	0.5	0.9	0.8
137.5°	0.6	0.5	0.6	0.5	0.9	0.8
138°	0.6	0.5	0.6	0.5	0.9	0.8
138.5°	0.6	0.5	0.6	0.7	0.9	0.8
139°	0.7	0.5	0.6	0.7	0.9	0.8
139.5°	0.7	0.5	0.6	0.7	0.9	0.8
140°	0.6	0.5	0.6	0.7	0.9	0.8
140.5°	0.6	0.6	0.6	0.7	0.9	0.8
141°	0.6	0.6	0.7	0.7	0.9	0.8
141.5°	0.6	0.6	0.7	0.7	0.9	0.8
142°	0.6	0.6	0.7	0.8	0.9	0.8
142.5°	0.7	0.7	0.7	0.7	0.9	0.8
143°	0.7	0.7	0.7	0.7	0.9	0.8
143.5°	0.7	0.7	0.7	0.8	0.9	0.8
144°	0.8	0.8	0.7	0.8	0.9	0.8
144.5°	0.8	1.1	0.7	0.8	0.9	0.8
145°	0.7	1.0	0.7	0.8	0.9	0.8
145.5°	0.8	1.0	0.7	0.8	0.9	0.8
146°	0.8	1.0	0.7	0.8	0.9	0.8
146.5°	0.8	1.0	0.7	0.8	0.9	0.8
147°	0.8	1.0	0.7	0.8	0.9	0.8
147.5°	0.8	1.0	0.7	0.8	0.9	0.8
148°	0.8	1.0	0.7	0.8	0.9	0.8
148.5°	0.8	1.0	0.7	0.8	0.9	0.8
149°	0.8	1.0	0.7	0.8	0.9	0.8
149.5°	0.9	1.0	0.7	0.8	0.9	0.8
150°	0.8	1.0	0.7	0.8	0.9	0.8
150.5°	0.8	1.0	0.7	0.8	0.9	0.8
151°	0.8	1.0	0.7	0.8	0.9	0.8
151.5°	0.8	1.0	0.7	0.8	0.9	0.8
152°	0.8	1.0	0.7	0.8	0.9	0.8
152.5°	0.8	1.0	0.7	0.8	0.9	0.8
153°	0.8	1.0	0.7	0.8	0.9	0.8
153.5°	0.8	1.0	0.7	0.8	0.9	0.8
154°	0.8	1.0	0.7	0.8	0.9	0.8
154.5°	0.8	1.0	0.7	0.8	0.9	0.8
155°	0.8	1.0	0.7	0.8	0.9	0.8
155.5°	0.8	1.0	0.7	0.8	0.9	0.8
156°	0.8	1.0	0.7	0.8	0.9	0.8
156.5°	0.8	1.0	0.7	0.8	0.9	0.8
157°	0.8	1.0	0.7	0.8	0.9	0.8



TEST NUMBER: P565401  
 CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.8	1.0	0.7	0.8	0.9	0.8
158°	0.8	1.0	0.7	0.8	0.9	0.8
158.5°	0.8	1.0	0.7	0.8	0.9	0.8
159°	0.8	1.0	0.7	0.8	0.9	0.8
159.5°	0.8	1.0	0.7	0.8	0.9	0.8
160°	0.8	1.0	0.7	0.8	0.9	0.8
160.5°	0.8	1.0	0.7	0.8	0.9	0.8
161°	0.8	1.0	0.7	0.8	0.9	0.8
161.5°	0.8	1.0	0.7	0.8	0.9	0.8
162°	0.8	1.0	0.7	0.8	0.9	0.8
162.5°	0.8	1.0	0.7	0.8	0.9	0.8
163°	0.8	1.0	0.7	0.8	0.9	0.8
163.5°	0.8	1.0	0.7	0.8	0.9	0.8
164°	0.8	1.0	0.7	0.8	0.9	0.8
164.5°	0.8	1.0	0.7	0.8	0.9	0.8
165°	0.8	1.0	0.7	0.8	0.9	0.8
165.5°	0.8	1.0	0.7	0.8	0.9	0.8
166°	0.8	1.0	0.7	0.8	0.9	0.8
166.5°	0.8	1.0	0.7	0.8	0.9	0.8
167°	0.8	1.0	0.7	0.8	0.9	0.8
167.5°	0.8	1.0	0.7	0.8	0.9	0.8
168°	0.8	1.0	0.7	0.8	0.9	0.8
168.5°	0.8	1.0	0.7	0.8	0.9	0.8
169°	0.8	1.0	0.7	0.8	0.9	0.8
169.5°	0.8	1.0	0.7	0.8	0.9	0.8
170°	0.8	1.0	0.7	0.8	0.9	0.8
170.5°	0.8	1.0	0.7	0.8	0.9	0.8
171°	0.8	1.0	0.7	0.8	0.9	0.8
171.5°	0.8	1.0	0.7	0.8	0.9	0.8
172°	0.8	1.0	0.7	0.8	0.9	0.8
172.5°	0.8	1.0	0.7	0.8	0.9	0.8
173°	0.8	1.0	0.7	0.8	0.9	0.8
173.5°	0.8	1.0	0.7	0.8	0.9	0.8
174°	0.8	1.0	0.7	0.8	0.9	0.8
174.5°	0.8	1.0	0.7	0.8	0.9	0.8
175°	0.8	1.0	0.7	0.8	0.9	0.8
175.5°	0.8	1.0	0.7	0.8	0.9	0.8
176°	0.8	1.0	0.7	0.8	0.9	0.8
176.5°	0.8	1.0	0.7	0.8	0.9	0.8
177°	0.8	1.0	0.7	0.8	0.9	0.8
177.5°	0.8	1.0	0.7	0.8	0.9	0.8
178°	0.8	1.0	0.7	0.8	0.9	0.8
178.5°	0.8	1.0	0.7	0.8	0.9	0.8
179°	0.8	1.0	0.7	0.8	0.9	0.8
179.5°	0.8	1.0	0.7	0.8	0.9	0.8



TEST NUMBER: P565401  
CATALOG NUMBER: HLBQL6069FS1E-2700K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)