

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P938681

Luminaire Tested: HLB6LSFS5-800LM-2700K

Issue Date: 1/15/2025

Test Information

Test Method: LM-79-2019
Report Number: P938681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2404367-01A001)
Test Lab:
Issue Date: 1/15/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HLB6LSFS5-800LM-2700K
Description: 6IN SELECTABLE LUMENS, 90CRI, DIMMING TO 10%
Light Source: SELECTABLE CCT 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 856.5 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.41 / 1.46
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

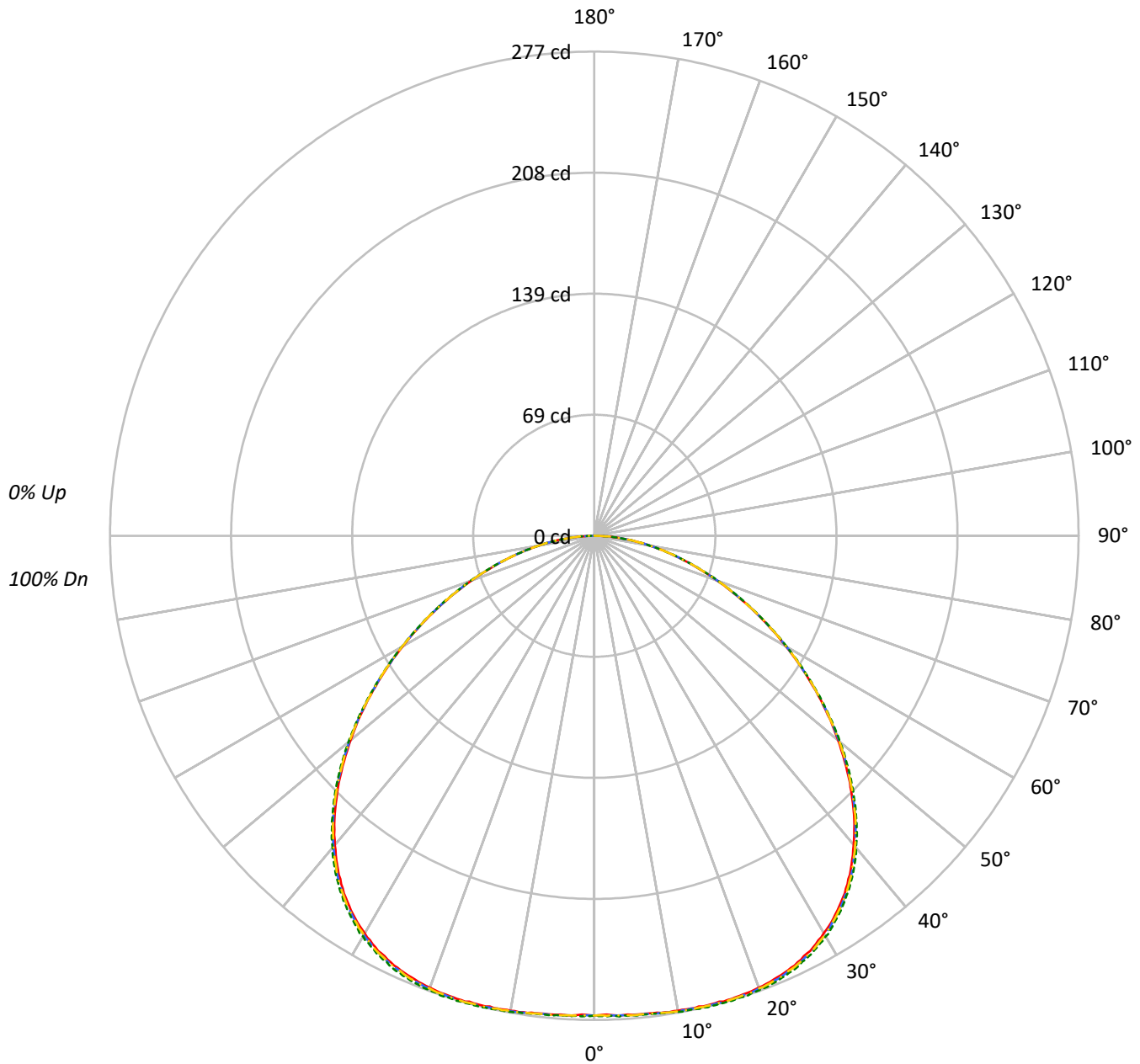
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	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	46	43		
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38		
7	65	51	43	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30		
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27		
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15048	15048	15048	15048
5°	15133	15166	15133	15166
10°	15358	15397	15358	15397
15°	15658	15732	15658	15732
20°	16043	16131	16043	16131
25°	16404	16507	16404	16507
30°	16623	16749	16623	16749
35°	16711	16824	16711	16824
40°	16524	16674	16524	16674
45°	16126	16273	16126	16273
50°	15513	15650	15513	15650
55°	14786	14843	14786	14843
60°	13870	13946	13870	13946
65°	12933	13010	12933	13010
70°	11973	12037	11973	12037
75°	11014	11078	11014	11078
80°	10102	10102	10102	10102
85°	8995	8995	8995	8995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16273 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	3.1
10°-20°	78.4	9.1
20°-30°	125.3	14.6
30°-40°	156.4	18.3
40°-50°	160.9	18.8
50°-60°	138.4	16.2
60°-70°	99.2	11.6
70°-80°	55.5	6.5
80°-90°	16.0	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	230.0	26.9
0°-40°	386.4	45.1
0°-60°	685.7	80.1
0°-90°	856.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	274	274	274	274	274	
5°	275	276	275	276	275	26
15°	276	277	276	277	276	78
25°	271	273	271	273	271	125
35°	250	251	250	251	250	156
45°	208	210	208	210	208	160
55°	155	155	155	155	155	138
65°	100	100	100	100	100	99
75°	52	52	52	52	52	55
85°	14	14	14	14	14	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
0.5°	274.3	274.5	274.3	274.7	274.8	274.7	274.3	274.5	274.3	274.5	274.3
1°	274.1	274.7	274.4	274.6	274.8	274.6	274.4	274.7	274.1	274.7	274.4
1.5°	274.0	274.5	274.7	274.5	275.1	274.5	274.7	274.5	274.0	274.5	274.7
2°	274.3	274.5	274.6	274.8	274.8	274.8	274.6	274.5	274.3	274.5	274.6
2.5°	274.6	274.7	274.8	274.9	274.9	274.9	274.8	274.7	274.6	274.7	274.8
3°	274.9	274.7	274.7	274.8	275.4	274.8	274.7	274.7	274.9	274.7	274.7
3.5°	274.7	274.7	274.9	274.7	274.9	274.7	274.9	274.7	274.7	274.7	274.9
4°	274.6	274.7	275.0	275.0	275.4	275.0	275.0	274.7	274.6	274.7	275.0
4.5°	274.9	274.8	275.2	275.1	275.1	275.1	275.2	274.8	274.9	274.8	275.2
5°	275.0	275.0	275.2	275.2	275.6	275.2	275.2	275.0	275.0	275.0	275.2
5.5°	275.0	274.9	275.2	275.2	275.4	275.2	275.2	274.9	275.0	274.9	275.2
6°	275.0	275.1	275.1	275.3	275.4	275.3	275.1	275.1	275.0	275.1	275.1
6.5°	275.0	275.1	275.3	275.6	275.5	275.6	275.3	275.1	275.0	275.1	275.3
7°	275.2	275.3	275.4	275.5	275.5	275.5	275.4	275.3	275.2	275.3	275.4
7.5°	275.2	275.5	275.6	275.6	275.8	275.6	275.6	275.5	275.2	275.5	275.6
8°	275.6	275.4	275.7	275.4	275.8	275.4	275.7	275.4	275.6	275.4	275.7
8.5°	275.5	275.6	275.9	275.8	276.1	275.8	275.9	275.6	275.5	275.6	275.9
9°	275.9	275.5	276.0	276.0	276.1	276.0	276.0	275.5	275.9	275.5	276.0
9.5°	275.6	275.8	276.1	276.1	276.5	276.1	276.1	275.8	275.6	275.8	276.1
10°	275.9	275.9	276.2	276.1	276.6	276.1	276.2	275.9	275.9	275.9	276.2
10.5°	275.8	275.9	276.0	276.5	276.8	276.5	276.0	275.9	275.8	275.9	276.0
11°	276.0	276.1	276.5	276.5	276.6	276.5	276.5	276.1	276.0	276.1	276.5
11.5°	276.0	276.2	276.1	276.9	276.7	276.9	276.1	276.2	276.0	276.2	276.1
12°	276.3	276.3	276.5	276.6	276.8	276.6	276.5	276.3	276.3	276.3	276.5
12.5°	275.8	276.2	276.5	276.6	277.3	276.6	276.5	276.2	275.8	276.2	276.5
13°	276.4	276.5	276.6	276.7	277.0	276.7	276.6	276.5	276.4	276.5	276.6
13.5°	276.3	276.4	276.6	276.8	277.4	276.8	276.6	276.4	276.3	276.4	276.6
14°	276.3	276.5	276.8	277.2	277.2	277.2	276.8	276.5	276.3	276.5	276.8
14.5°	276.3	276.5	276.6	277.0	277.3	277.0	276.6	276.5	276.3	276.5	276.6
15°	275.9	276.3	276.7	277.2	277.2	277.2	276.7	276.3	275.9	276.3	276.7
15.5°	276.6	276.3	276.8	277.2	277.3	277.2	276.8	276.3	276.6	276.3	276.8
16°	276.3	276.3	276.8	276.9	277.3	276.9	276.8	276.3	276.3	276.3	276.8
16.5°	276.3	276.2	276.6	277.0	277.4	277.0	276.6	276.2	276.3	276.2	276.6
17°	276.1	276.3	276.6	277.0	277.3	277.0	276.6	276.3	276.1	276.3	276.6
17.5°	276.0	276.3	276.5	276.8	277.0	276.8	276.5	276.3	276.0	276.3	276.5
18°	275.8	276.0	276.3	276.8	277.3	276.8	276.3	276.0	275.8	276.0	276.3
18.5°	275.9	275.9	276.1	276.6	277.3	276.6	276.1	275.9	275.9	275.9	276.1
19°	275.6	275.6	276.3	276.6	276.7	276.6	276.3	275.6	275.6	275.6	276.3
19.5°	275.3	275.5	276.0	276.4	276.7	276.4	276.0	275.5	275.3	275.5	276.0
20°	275.0	275.4	275.6	276.2	276.5	276.2	275.6	275.4	275.0	275.4	275.6
20.5°	274.9	275.2	275.7	275.9	276.4	275.9	275.7	275.2	274.9	275.2	275.7
21°	274.5	274.9	275.3	275.8	276.4	275.8	275.3	274.9	274.5	274.9	275.3

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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°	273.4	273.8	274.4	274.7	275.2	274.7	274.4	273.8	273.4	273.8	274.4
23°	273.1	273.3	273.9	274.5	274.6	274.5	273.9	273.3	273.1	273.3	273.9
23.5°	272.7	273.0	273.4	274.0	274.5	274.0	273.4	273.0	272.7	273.0	273.4
24°	272.2	272.3	272.7	273.3	273.7	273.3	272.7	272.3	272.2	272.3	272.7
24.5°	271.5	271.8	272.3	273.1	273.6	273.1	272.3	271.8	271.5	271.8	272.3
25°	271.2	271.2	271.9	272.3	272.9	272.3	271.9	271.2	271.2	271.2	271.9
25.5°	270.3	270.9	271.2	271.9	272.3	271.9	271.2	270.9	270.3	270.9	271.2
26°	269.8	270.0	270.6	271.2	271.2	271.2	270.6	270.0	269.8	270.0	270.6
26.5°	268.7	269.3	269.8	270.7	270.9	270.7	269.8	269.3	268.7	269.3	269.8
27°	268.2	268.6	269.1	269.8	270.0	269.8	269.1	268.6	268.2	268.6	269.1
27.5°	267.7	267.7	268.4	268.9	269.5	268.9	268.4	267.7	267.7	267.7	268.4
28°	266.6	266.8	267.6	268.0	268.4	268.0	267.6	266.8	266.6	266.8	267.6
28.5°	265.8	266.0	266.6	267.3	267.7	267.3	266.6	266.0	265.8	266.0	266.6
29°	264.5	265.1	265.6	266.5	266.5	266.5	265.6	265.1	264.5	265.1	265.6
29.5°	263.8	264.2	264.8	265.4	266.0	265.4	264.8	264.2	263.8	264.2	264.8
30°	262.6	263.0	263.8	264.3	264.6	264.3	263.8	263.0	262.6	263.0	263.8
30.5°	261.6	261.7	262.4	263.2	264.2	263.2	262.4	261.7	261.6	261.7	262.4
31°	260.5	260.8	261.6	262.1	262.6	262.1	261.6	260.8	260.5	260.8	261.6
31.5°	259.5	259.5	260.1	260.9	261.4	260.9	260.1	259.5	259.5	259.5	260.1
32°	258.1	258.3	259.0	259.8	260.0	259.8	259.0	258.3	258.1	258.3	259.0
32.5°	256.7	257.2	257.7	258.6	258.8	258.6	257.7	257.2	256.7	257.2	257.7
33°	255.5	255.8	256.3	256.9	257.4	256.9	256.3	255.8	255.5	255.8	256.3
33.5°	254.0	254.4	255.0	255.7	256.2	255.7	255.0	254.4	254.0	254.4	255.0
34°	252.5	252.8	253.6	254.4	254.6	254.4	253.6	252.8	252.5	252.8	253.6
34.5°	251.1	251.4	252.1	252.9	253.3	252.9	252.1	251.4	251.1	251.4	252.1
35°	249.7	249.7	250.5	251.3	251.4	251.3	250.5	249.7	249.7	249.7	250.5
35.5°	247.8	248.1	249.0	249.7	250.2	249.7	249.0	248.1	247.8	248.1	249.0
36°	246.3	245.9	247.3	248.0	248.4	248.0	247.3	245.9	246.3	245.9	247.3
36.5°	244.2	244.8	245.6	246.2	246.5	246.2	245.6	244.8	244.2	244.8	245.6
37°	242.8	242.7	243.9	244.5	244.9	244.5	243.9	242.7	242.8	242.7	243.9
37.5°	240.8	241.2	242.1	242.7	243.2	242.7	242.1	241.2	240.8	241.2	242.1
38°	238.9	239.1	239.9	240.9	241.1	240.9	239.9	239.1	238.9	239.1	239.9
38.5°	236.9	237.3	238.1	238.8	239.3	238.8	238.1	237.3	236.9	237.3	238.1
39°	235.0	235.3	236.1	237.0	237.4	237.0	236.1	235.3	235.0	235.3	236.1
39.5°	232.8	233.4	234.2	234.8	235.3	234.8	234.2	233.4	232.8	233.4	234.2
40°	230.9	231.3	232.1	233.0	233.0	233.0	232.1	231.3	230.9	231.3	232.1
40.5°	228.6	229.0	230.0	230.7	230.9	230.7	230.0	229.0	228.6	229.0	230.0
41°	226.7	227.0	227.8	228.5	229.0	228.5	227.8	227.0	226.7	227.0	227.8
41.5°	224.3	224.6	225.6	226.4	226.6	226.4	225.6	224.6	224.3	224.6	225.6
42°	222.3	222.7	223.4	224.2	224.3	224.2	223.4	222.7	222.3	222.7	223.4
42.5°	220.1	220.2	221.1	221.7	222.2	221.7	221.1	220.2	220.1	220.2	221.1
43°	217.7	218.0	218.8	219.5	219.6	219.5	218.8	218.0	217.7	218.0	218.8
43.5°	215.2	215.5	216.2	217.1	217.3	217.1	216.2	215.5	215.2	215.5	216.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	208.0	208.2	209.1	209.6	209.9	209.6	209.1	208.2	208.0	208.2	209.1
45.5°	205.5	205.8	206.4	207.0	207.5	207.0	206.4	205.8	205.5	205.8	206.4
46°	203.2	203.2	203.9	204.7	204.8	204.7	203.9	203.2	203.2	203.2	203.9
46.5°	200.4	200.7	201.4	202.1	202.4	202.1	201.4	200.7	200.4	200.7	201.4
47°	197.8	197.9	198.8	199.6	199.7	199.6	198.8	197.9	197.8	197.9	198.8
47.5°	195.4	195.5	196.2	196.9	197.3	196.9	196.2	195.5	195.4	195.5	196.2
48°	192.6	192.8	193.4	194.1	194.3	194.1	193.4	192.8	192.6	192.8	193.4
48.5°	190.1	190.1	191.0	191.5	191.6	191.5	191.0	190.1	190.1	190.1	191.0
49°	187.1	187.5	188.2	188.9	189.2	188.9	188.2	187.5	187.1	187.5	188.2
49.5°	184.7	184.9	185.5	186.3	186.4	186.3	185.5	184.9	184.7	184.9	185.5
50°	181.9	182.1	182.7	183.5	183.5	183.5	182.7	182.1	181.9	182.1	182.7
50.5°	179.3	179.0	180.1	180.8	180.8	180.8	180.1	179.0	179.3	179.0	180.1
51°	176.6	176.5	177.2	178.0	178.0	178.0	177.2	176.5	176.6	176.5	177.2
51.5°	174.0	173.8	174.5	175.3	175.2	175.3	174.5	173.8	174.0	173.8	174.5
52°	171.4	170.8	171.7	172.4	172.4	172.4	171.7	170.8	171.4	170.8	171.7
52.5°	168.4	168.2	168.9	169.6	169.6	169.6	168.9	168.2	168.4	168.2	168.9
53°	165.7	165.4	166.2	166.8	166.6	166.8	166.2	165.4	165.7	165.4	166.2
53.5°	162.9	162.6	163.5	164.1	163.8	164.1	163.5	162.6	162.9	162.6	163.5
54°	160.3	159.7	160.5	161.2	161.0	161.2	160.5	159.7	160.3	159.7	160.5
54.5°	157.2	157.0	157.6	158.3	158.3	158.3	157.6	157.0	157.2	157.0	157.6
55°	154.7	154.2	155.0	155.6	155.3	155.6	155.0	154.2	154.7	154.2	155.0
55.5°	151.6	151.4	152.1	152.8	152.5	152.8	152.1	151.4	151.6	151.4	152.1
56°	148.9	148.6	149.3	149.8	149.7	149.8	149.3	148.6	148.9	148.6	149.3
56.5°	146.1	145.7	146.5	147.3	146.9	147.3	146.5	145.7	146.1	145.7	146.5
57°	143.4	142.8	143.7	144.4	143.9	144.4	143.7	142.8	143.4	142.8	143.7
57.5°	140.4	140.2	140.9	141.5	141.4	141.5	140.9	140.2	140.4	140.2	140.9
58°	137.7	137.4	137.9	138.6	138.5	138.6	137.9	137.4	137.7	137.4	137.9
58.5°	135.0	134.6	135.3	135.9	135.8	135.9	135.3	134.6	135.0	134.6	135.3
59°	132.1	131.9	132.4	133.1	132.7	133.1	132.4	131.9	132.1	131.9	132.4
59.5°	129.4	129.1	129.7	130.2	130.2	130.2	129.7	129.1	129.4	129.1	129.7
60°	126.5	126.4	126.9	127.6	127.2	127.6	126.9	126.4	126.5	126.4	126.9
60.5°	123.9	123.6	124.2	124.6	124.4	124.6	124.2	123.6	123.9	123.6	124.2
61°	121.1	120.9	121.5	122.0	121.8	122.0	121.5	120.9	121.1	120.9	121.5
61.5°	118.4	118.2	118.8	119.2	119.0	119.2	118.8	118.2	118.4	118.2	118.8
62°	115.7	115.6	116.0	116.6	116.4	116.6	116.0	115.6	115.7	115.6	116.0
62.5°	112.9	112.9	113.4	113.8	113.6	113.8	113.4	112.9	112.9	112.9	113.4
63°	110.2	110.2	110.6	111.0	110.8	111.0	110.6	110.2	110.2	110.2	110.6
63.5°	107.7	107.6	108.0	108.4	108.3	108.4	108.0	107.6	107.7	107.6	108.0
64°	105.0	104.9	105.3	105.7	105.6	105.7	105.3	104.9	105.0	104.9	105.3
64.5°	102.4	102.3	102.7	103.1	103.0	103.1	102.7	102.3	102.4	102.3	102.7
65°	99.7	99.7	100.1	100.4	100.3	100.4	100.1	99.7	99.7	99.7	100.1
65.5°	97.1	97.1	97.4	97.8	97.8	97.8	97.4	97.1	97.1	97.1	97.4
66°	94.5	94.5	94.8	95.1	95.2	95.1	94.8	94.5	94.5	94.5	94.8

TEST NUMBER: P938681

CATALOG NUMBER: HLB6LSFS5-800LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	86.9	87.0	87.2	87.5	87.5	87.5	87.2	87.0	86.9	87.0	87.2
68°	84.4	84.5	84.7	85.0	84.9	85.0	84.7	84.5	84.4	84.5	84.7
68.5°	81.9	82.0	82.2	82.4	82.6	82.4	82.2	82.0	81.9	82.0	82.2
69°	79.6	79.6	79.8	80.0	80.0	80.0	79.8	79.6	79.6	79.6	79.8
69.5°	77.1	77.1	77.3	77.5	77.5	77.5	77.3	77.1	77.1	77.1	77.3
70°	74.7	74.7	74.9	75.1	75.1	75.1	74.9	74.7	74.7	74.7	74.9
70.5°	72.2	72.3	72.5	72.7	72.8	72.7	72.5	72.3	72.2	72.3	72.5
71°	69.8	70.0	70.1	70.3	70.3	70.3	70.1	70.0	69.8	70.0	70.1
71.5°	67.5	67.7	67.7	68.0	68.0	68.0	67.7	67.7	67.5	67.7	67.7
72°	65.2	65.3	65.4	65.6	65.6	65.6	65.4	65.3	65.2	65.3	65.4
72.5°	63.0	63.0	63.1	63.3	63.3	63.3	63.1	63.0	63.0	63.0	63.1
73°	60.7	60.9	60.9	61.1	61.0	61.1	60.9	60.9	60.7	60.9	60.9
73.5°	58.6	58.6	58.7	58.9	58.9	58.9	58.7	58.6	58.6	58.6	58.7
74°	56.3	56.4	56.5	56.7	56.6	56.7	56.5	56.4	56.3	56.4	56.5
74.5°	54.1	54.2	54.4	54.5	54.4	54.5	54.4	54.2	54.1	54.2	54.4
75°	52.0	52.1	52.3	52.4	52.3	52.4	52.3	52.1	52.0	52.1	52.3
75.5°	49.9	50.0	50.1	50.2	50.2	50.2	50.1	50.0	49.9	50.0	50.1
76°	47.8	47.8	47.9	48.1	48.1	48.1	47.9	47.8	47.8	47.8	47.9
76.5°	45.8	45.8	45.9	46.0	46.0	46.0	45.9	45.8	45.8	45.8	45.9
77°	43.8	43.7	43.9	44.0	43.9	44.0	43.9	43.7	43.8	43.7	43.9
77.5°	41.8	41.7	41.9	41.9	41.9	41.9	41.9	41.7	41.8	41.7	41.9
78°	39.8	39.7	39.8	39.9	39.8	39.9	39.8	39.7	39.8	39.7	39.8
78.5°	37.8	37.7	37.9	37.9	37.8	37.9	37.9	37.7	37.8	37.7	37.9
79°	35.8	35.8	35.9	36.0	35.9	36.0	35.9	35.8	35.8	35.8	35.9
79.5°	33.9	33.9	34.0	34.1	33.9	34.1	34.0	33.9	33.9	33.9	34.0
80°	32.0	32.0	32.1	32.1	32.0	32.1	32.1	32.0	32.0	32.0	32.1
80.5°	30.2	30.1	30.2	30.3	30.2	30.3	30.2	30.1	30.2	30.1	30.2
81°	28.3	28.3	28.3	28.4	28.3	28.4	28.3	28.3	28.3	28.3	28.3
81.5°	26.4	26.4	26.5	26.6	26.5	26.6	26.5	26.4	26.4	26.4	26.5
82°	24.6	24.6	24.6	24.8	24.6	24.8	24.6	24.6	24.6	24.6	24.6
82.5°	22.9	22.8	22.9	23.0	22.7	23.0	22.9	22.8	22.9	22.8	22.9
83°	21.1	21.1	21.1	21.3	21.1	21.3	21.1	21.1	21.1	21.1	21.1
83.5°	19.4	19.4	19.4	19.5	19.4	19.5	19.4	19.4	19.4	19.4	19.4
84°	17.7	17.6	17.7	17.8	17.6	17.8	17.7	17.6	17.7	17.6	17.7
84.5°	15.9	15.9	16.0	16.1	16.0	16.1	16.0	15.9	15.9	15.9	16.0
85°	14.3	14.3	14.3	14.4	14.3	14.4	14.3	14.3	14.3	14.3	14.3
85.5°	12.6	12.5	12.7	12.7	12.6	12.7	12.7	12.5	12.6	12.5	12.7
86°	10.9	10.9	11.0	11.1	11.0	11.1	11.0	10.9	10.9	10.9	11.0
86.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
87°	7.8	7.8	7.8	7.9	7.8	7.9	7.8	7.8	7.8	7.8	7.8
87.5°	6.2	6.2	6.2	6.3	6.2	6.3	6.2	6.2	6.2	6.2	6.2
88°	4.7	4.7	4.7	4.8	4.7	4.8	4.7	4.7	4.7	4.7	4.7
88.5°	3.2	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.2	3.1	3.1



TEST NUMBER: P938681
CATALOG NUMBER: HLB6LSFS5-800LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P938681

CATALOG NUMBER: HLB6LSFS5-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	274.5	274.5	274.5	274.5	274.5	274.5
0.5°	274.7	274.8	274.7	274.3	274.5	274.3
1°	274.6	274.8	274.6	274.4	274.7	274.1
1.5°	274.5	275.1	274.5	274.7	274.5	274.0
2°	274.8	274.8	274.8	274.6	274.5	274.3
2.5°	274.9	274.9	274.9	274.8	274.7	274.6
3°	274.8	275.4	274.8	274.7	274.7	274.9
3.5°	274.7	274.9	274.7	274.9	274.7	274.7
4°	275.0	275.4	275.0	275.0	274.7	274.6
4.5°	275.1	275.1	275.1	275.2	274.8	274.9
5°	275.2	275.6	275.2	275.2	275.0	275.0
5.5°	275.2	275.4	275.2	275.2	274.9	275.0
6°	275.3	275.4	275.3	275.1	275.1	275.0
6.5°	275.6	275.5	275.6	275.3	275.1	275.0
7°	275.5	275.5	275.5	275.4	275.3	275.2
7.5°	275.6	275.8	275.6	275.6	275.5	275.2
8°	275.4	275.8	275.4	275.7	275.4	275.6
8.5°	275.8	276.1	275.8	275.9	275.6	275.5
9°	276.0	276.1	276.0	276.0	275.5	275.9
9.5°	276.1	276.5	276.1	276.1	275.8	275.6
10°	276.1	276.6	276.1	276.2	275.9	275.9
10.5°	276.5	276.8	276.5	276.0	275.9	275.8
11°	276.5	276.6	276.5	276.5	276.1	276.0
11.5°	276.9	276.7	276.9	276.1	276.2	276.0
12°	276.6	276.8	276.6	276.5	276.3	276.3
12.5°	276.6	277.3	276.6	276.5	276.2	275.8
13°	276.7	277.0	276.7	276.6	276.5	276.4
13.5°	276.8	277.4	276.8	276.6	276.4	276.3
14°	277.2	277.2	277.2	276.8	276.5	276.3
14.5°	277.0	277.3	277.0	276.6	276.5	276.3
15°	277.2	277.2	277.2	276.7	276.3	275.9
15.5°	277.2	277.3	277.2	276.8	276.3	276.6
16°	276.9	277.3	276.9	276.8	276.3	276.3
16.5°	277.0	277.4	277.0	276.6	276.2	276.3
17°	277.0	277.3	277.0	276.6	276.3	276.1
17.5°	276.8	277.0	276.8	276.5	276.3	276.0
18°	276.8	277.3	276.8	276.3	276.0	275.8
18.5°	276.6	277.3	276.6	276.1	275.9	275.9
19°	276.6	276.7	276.6	276.3	275.6	275.6
19.5°	276.4	276.7	276.4	276.0	275.5	275.3
20°	276.2	276.5	276.2	275.6	275.4	275.0
20.5°	275.9	276.4	275.9	275.7	275.2	274.9
21°	275.8	276.4	275.8	275.3	274.9	274.5



TEST NUMBER: P938681

CATALOG NUMBER: HLB6LSFS5-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	274.7	275.2	274.7	274.4	273.8	273.4
23°	274.5	274.6	274.5	273.9	273.3	273.1
23.5°	274.0	274.5	274.0	273.4	273.0	272.7
24°	273.3	273.7	273.3	272.7	272.3	272.2
24.5°	273.1	273.6	273.1	272.3	271.8	271.5
25°	272.3	272.9	272.3	271.9	271.2	271.2
25.5°	271.9	272.3	271.9	271.2	270.9	270.3
26°	271.2	271.2	271.2	270.6	270.0	269.8
26.5°	270.7	270.9	270.7	269.8	269.3	268.7
27°	269.8	270.0	269.8	269.1	268.6	268.2
27.5°	268.9	269.5	268.9	268.4	267.7	267.7
28°	268.0	268.4	268.0	267.6	266.8	266.6
28.5°	267.3	267.7	267.3	266.6	266.0	265.8
29°	266.5	266.5	266.5	265.6	265.1	264.5
29.5°	265.4	266.0	265.4	264.8	264.2	263.8
30°	264.3	264.6	264.3	263.8	263.0	262.6
30.5°	263.2	264.2	263.2	262.4	261.7	261.6
31°	262.1	262.6	262.1	261.6	260.8	260.5
31.5°	260.9	261.4	260.9	260.1	259.5	259.5
32°	259.8	260.0	259.8	259.0	258.3	258.1
32.5°	258.6	258.8	258.6	257.7	257.2	256.7
33°	256.9	257.4	256.9	256.3	255.8	255.5
33.5°	255.7	256.2	255.7	255.0	254.4	254.0
34°	254.4	254.6	254.4	253.6	252.8	252.5
34.5°	252.9	253.3	252.9	252.1	251.4	251.1
35°	251.3	251.4	251.3	250.5	249.7	249.7
35.5°	249.7	250.2	249.7	249.0	248.1	247.8
36°	248.0	248.4	248.0	247.3	245.9	246.3
36.5°	246.2	246.5	246.2	245.6	244.8	244.2
37°	244.5	244.9	244.5	243.9	242.7	242.8
37.5°	242.7	243.2	242.7	242.1	241.2	240.8
38°	240.9	241.1	240.9	239.9	239.1	238.9
38.5°	238.8	239.3	238.8	238.1	237.3	236.9
39°	237.0	237.4	237.0	236.1	235.3	235.0
39.5°	234.8	235.3	234.8	234.2	233.4	232.8
40°	233.0	233.0	233.0	232.1	231.3	230.9
40.5°	230.7	230.9	230.7	230.0	229.0	228.6
41°	228.5	229.0	228.5	227.8	227.0	226.7
41.5°	226.4	226.6	226.4	225.6	224.6	224.3
42°	224.2	224.3	224.2	223.4	222.7	222.3
42.5°	221.7	222.2	221.7	221.1	220.2	220.1
43°	219.5	219.6	219.5	218.8	218.0	217.7
43.5°	217.1	217.3	217.1	216.2	215.5	215.2



TEST NUMBER: P938681

CATALOG NUMBER: HLB6LSFS5-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	209.6	209.9	209.6	209.1	208.2	208.0
45.5°	207.0	207.5	207.0	206.4	205.8	205.5
46°	204.7	204.8	204.7	203.9	203.2	203.2
46.5°	202.1	202.4	202.1	201.4	200.7	200.4
47°	199.6	199.7	199.6	198.8	197.9	197.8
47.5°	196.9	197.3	196.9	196.2	195.5	195.4
48°	194.1	194.3	194.1	193.4	192.8	192.6
48.5°	191.5	191.6	191.5	191.0	190.1	190.1
49°	188.9	189.2	188.9	188.2	187.5	187.1
49.5°	186.3	186.4	186.3	185.5	184.9	184.7
50°	183.5	183.5	183.5	182.7	182.1	181.9
50.5°	180.8	180.8	180.8	180.1	179.0	179.3
51°	178.0	178.0	178.0	177.2	176.5	176.6
51.5°	175.3	175.2	175.3	174.5	173.8	174.0
52°	172.4	172.4	172.4	171.7	170.8	171.4
52.5°	169.6	169.6	169.6	168.9	168.2	168.4
53°	166.8	166.6	166.8	166.2	165.4	165.7
53.5°	164.1	163.8	164.1	163.5	162.6	162.9
54°	161.2	161.0	161.2	160.5	159.7	160.3
54.5°	158.3	158.3	158.3	157.6	157.0	157.2
55°	155.6	155.3	155.6	155.0	154.2	154.7
55.5°	152.8	152.5	152.8	152.1	151.4	151.6
56°	149.8	149.7	149.8	149.3	148.6	148.9
56.5°	147.3	146.9	147.3	146.5	145.7	146.1
57°	144.4	143.9	144.4	143.7	142.8	143.4
57.5°	141.5	141.4	141.5	140.9	140.2	140.4
58°	138.6	138.5	138.6	137.9	137.4	137.7
58.5°	135.9	135.8	135.9	135.3	134.6	135.0
59°	133.1	132.7	133.1	132.4	131.9	132.1
59.5°	130.2	130.2	130.2	129.7	129.1	129.4
60°	127.6	127.2	127.6	126.9	126.4	126.5
60.5°	124.6	124.4	124.6	124.2	123.6	123.9
61°	122.0	121.8	122.0	121.5	120.9	121.1
61.5°	119.2	119.0	119.2	118.8	118.2	118.4
62°	116.6	116.4	116.6	116.0	115.6	115.7
62.5°	113.8	113.6	113.8	113.4	112.9	112.9
63°	111.0	110.8	111.0	110.6	110.2	110.2
63.5°	108.4	108.3	108.4	108.0	107.6	107.7
64°	105.7	105.6	105.7	105.3	104.9	105.0
64.5°	103.1	103.0	103.1	102.7	102.3	102.4
65°	100.4	100.3	100.4	100.1	99.7	99.7
65.5°	97.8	97.8	97.8	97.4	97.1	97.1
66°	95.1	95.2	95.1	94.8	94.5	94.5



TEST NUMBER: P938681

CATALOG NUMBER: HLB6LSFS5-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	87.5	87.5	87.5	87.2	87.0	86.9
68°	85.0	84.9	85.0	84.7	84.5	84.4
68.5°	82.4	82.6	82.4	82.2	82.0	81.9
69°	80.0	80.0	80.0	79.8	79.6	79.6
69.5°	77.5	77.5	77.5	77.3	77.1	77.1
70°	75.1	75.1	75.1	74.9	74.7	74.7
70.5°	72.7	72.8	72.7	72.5	72.3	72.2
71°	70.3	70.3	70.3	70.1	70.0	69.8
71.5°	68.0	68.0	68.0	67.7	67.7	67.5
72°	65.6	65.6	65.6	65.4	65.3	65.2
72.5°	63.3	63.3	63.3	63.1	63.0	63.0
73°	61.1	61.0	61.1	60.9	60.9	60.7
73.5°	58.9	58.9	58.9	58.7	58.6	58.6
74°	56.7	56.6	56.7	56.5	56.4	56.3
74.5°	54.5	54.4	54.5	54.4	54.2	54.1
75°	52.4	52.3	52.4	52.3	52.1	52.0
75.5°	50.2	50.2	50.2	50.1	50.0	49.9
76°	48.1	48.1	48.1	47.9	47.8	47.8
76.5°	46.0	46.0	46.0	45.9	45.8	45.8
77°	44.0	43.9	44.0	43.9	43.7	43.8
77.5°	41.9	41.9	41.9	41.9	41.7	41.8
78°	39.9	39.8	39.9	39.8	39.7	39.8
78.5°	37.9	37.8	37.9	37.9	37.7	37.8
79°	36.0	35.9	36.0	35.9	35.8	35.8
79.5°	34.1	33.9	34.1	34.0	33.9	33.9
80°	32.1	32.0	32.1	32.1	32.0	32.0
80.5°	30.3	30.2	30.3	30.2	30.1	30.2
81°	28.4	28.3	28.4	28.3	28.3	28.3
81.5°	26.6	26.5	26.6	26.5	26.4	26.4
82°	24.8	24.6	24.8	24.6	24.6	24.6
82.5°	23.0	22.7	23.0	22.9	22.8	22.9
83°	21.3	21.1	21.3	21.1	21.1	21.1
83.5°	19.5	19.4	19.5	19.4	19.4	19.4
84°	17.8	17.6	17.8	17.7	17.6	17.7
84.5°	16.1	16.0	16.1	16.0	15.9	15.9
85°	14.4	14.3	14.4	14.3	14.3	14.3
85.5°	12.7	12.6	12.7	12.7	12.5	12.6
86°	11.1	11.0	11.1	11.0	10.9	10.9
86.5°	9.4	9.4	9.4	9.4	9.4	9.4
87°	7.9	7.8	7.9	7.8	7.8	7.8
87.5°	6.3	6.2	6.3	6.2	6.2	6.2
88°	4.8	4.7	4.8	4.7	4.7	4.7
88.5°	3.2	3.2	3.2	3.1	3.1	3.2



TEST NUMBER: P938681
CATALOG NUMBER: HLB6LSFS5-800LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0



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







21.5°	274.4	274.5	275.0	275.8	275.8	275.0	274.5	274.4	274.5	275.0
22°	273.8	274.1	274.5	275.1	275.1	274.5	274.1	273.8	274.1	274.5



44°	212.9	213.0	213.9	214.5	214.8	214.5	213.9	213.0	212.9	213.0	213.9
44.5°	210.3	210.7	211.5	212.2	212.4	212.2	211.5	210.7	210.3	210.7	211.5



66.5°	91.9	92.0	92.3	92.6	92.6	92.3	92.0	91.9	92.0	92.3
67°	89.4	89.5	89.7	90.1	90.0	90.1	89.7	89.5	89.4	89.7



89°	1.7	1.7	1.8	1.9	2.1	1.9	1.8	1.7	1.7	1.7	1.8
89.5°	1.0	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.0	1.0	1.1





21.5°	275.8	275.8	275.8	275.0	274.5	274.4
22°	275.1	275.6	275.1	274.5	274.1	273.8



44°	214.5	214.8	214.5	213.9	213.0	212.9
44.5°	212.2	212.4	212.2	211.5	210.7	210.3



66.5°	92.6	92.6	92.6	92.3	92.0	91.9
67°	90.1	90.0	90.1	89.7	89.5	89.4



89°	1.9	2.1	1.9	1.8	1.7	1.7
89.5°	1.0	1.1	1.0	1.1	1.0	1.0



(END OF REPORT)