

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: P938671

Luminaire Tested: HLB6LSFS5-1000LM-2700K

Issue Date: 1/15/2025

Test Information

Test Method: LM-79-2019
Report Number: P938671
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: HLB6LSFS5-1000LM-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: 1053.3 lumens
Efficiency: N/A
Efficacy: 94.0 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

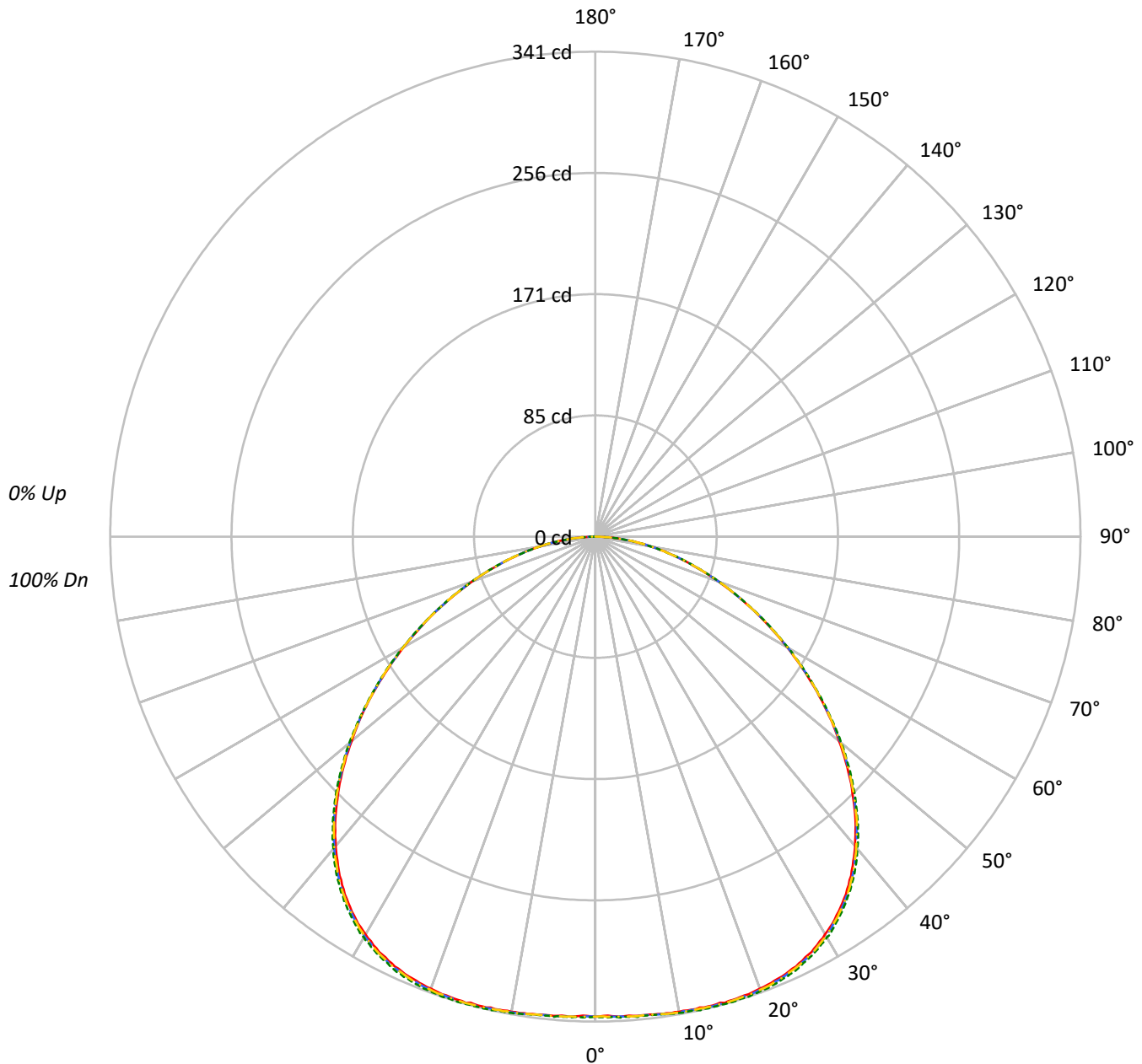
Input Watts (W): 11.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	18507	18507	18507	18507
5°	18611	18655	18611	18655
10°	18887	18932	18887	18932
15°	19257	19342	19257	19342
20°	19730	19835	19730	19835
25°	20179	20300	20179	20300
30°	20440	20598	20440	20598
35°	20545	20693	20545	20693
40°	20324	20503	20324	20503
45°	19824	20018	19824	20018
50°	19070	19240	19070	19240
55°	18179	18255	18179	18255
60°	17060	17159	17060	17159
65°	15916	15994	15916	15994
70°	14730	14810	14730	14810
75°	13556	13619	13556	13619
80°	12438	12438	12438	12438
85°	11007	11007	11007	11007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20018 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	3.1
10°-20°	96.4	9.1
20°-30°	154.1	14.6
30°-40°	192.3	18.3
40°-50°	197.8	18.8
50°-60°	170.3	16.2
60°-70°	122.1	11.6
70°-80°	68.2	6.5
80°-90°	19.7	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°	282.8	26.9
0°-40°	475.2	45.1
0°-60°	843.3	80.1
0°-90°	1053.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1053.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	338	338	338	338	338	
5°	338	339	338	339	338	32
15°	339	341	339	341	339	96
25°	334	336	334	336	334	154
35°	307	309	307	309	307	192
45°	256	258	256	258	256	197
55°	190	191	190	191	190	170
65°	123	123	123	123	123	122
75°	64	64	64	64	64	68
85°	18	18	18	18	18	20
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°	337.6	337.6	337.6	337.6	337.6	337.6	337.6	337.6	337.6	337.6	337.6
0.5°	337.3	337.6	337.3	337.9	337.9	337.9	337.3	337.6	337.3	337.6	337.3
1°	337.1	337.8	337.5	337.7	337.9	337.7	337.5	337.8	337.1	337.8	337.5
1.5°	337.0	337.5	337.8	337.6	338.3	337.6	337.8	337.5	337.0	337.5	337.8
2°	337.3	337.6	337.7	337.9	337.9	337.9	337.7	337.6	337.3	337.6	337.7
2.5°	337.7	337.8	337.9	338.0	338.0	338.0	337.9	337.8	337.7	337.8	337.9
3°	338.0	337.8	337.9	337.9	338.7	337.9	337.9	337.8	338.0	337.8	337.9
3.5°	337.8	337.9	338.1	337.9	338.1	337.9	338.1	337.9	337.8	337.9	338.1
4°	337.7	337.9	338.2	338.2	338.6	338.2	338.2	337.9	337.7	337.9	338.2
4.5°	338.1	337.9	338.4	338.3	338.3	338.3	338.4	337.9	338.1	337.9	338.4
5°	338.2	338.2	338.4	338.5	339.0	338.5	338.4	338.2	338.2	338.2	338.4
5.5°	338.2	338.1	338.4	338.5	338.6	338.5	338.4	338.1	338.2	338.1	338.4
6°	338.2	338.3	338.3	338.6	338.7	338.6	338.3	338.3	338.2	338.3	338.3
6.5°	338.2	338.3	338.6	338.9	338.8	338.9	338.6	338.3	338.2	338.3	338.6
7°	338.5	338.6	338.6	338.8	338.8	338.8	338.6	338.6	338.5	338.6	338.6
7.5°	338.5	338.8	338.9	338.9	339.2	338.9	338.9	338.8	338.5	338.8	338.9
8°	338.9	338.7	339.0	338.7	339.2	338.7	339.0	338.7	338.9	338.7	339.0
8.5°	338.8	339.0	339.3	339.1	339.6	339.1	339.3	339.0	338.8	339.0	339.3
9°	339.3	338.8	339.4	339.4	339.6	339.4	339.4	338.8	339.3	338.8	339.4
9.5°	339.0	339.1	339.6	339.6	340.1	339.6	339.6	339.1	339.0	339.1	339.6
10°	339.3	339.3	339.7	339.6	340.1	339.6	339.7	339.3	339.3	339.3	339.7
10.5°	339.1	339.3	339.4	340.1	340.4	340.1	339.4	339.3	339.1	339.3	339.4
11°	339.4	339.6	340.0	340.0	340.2	340.0	340.0	339.6	339.4	339.6	340.0
11.5°	339.4	339.7	339.6	340.5	340.3	340.5	339.6	339.7	339.4	339.7	339.6
12°	339.7	339.7	340.0	340.1	340.4	340.1	340.0	339.7	339.7	339.7	340.0
12.5°	339.2	339.7	340.0	340.2	341.1	340.2	340.0	339.7	339.2	339.7	340.0
13°	339.9	340.1	340.2	340.3	340.7	340.3	340.2	340.1	339.9	340.1	340.2
13.5°	339.7	339.9	340.1	340.4	341.1	340.4	340.1	339.9	339.7	339.9	340.1
14°	339.8	340.0	340.4	340.8	340.9	340.8	340.4	340.0	339.8	340.0	340.4
14.5°	339.7	340.0	340.2	340.7	341.0	340.7	340.2	340.0	339.7	340.0	340.2
15°	339.3	339.8	340.3	340.8	340.8	340.8	340.3	339.8	339.3	339.8	340.3
15.5°	340.2	339.7	340.4	340.9	341.1	340.9	340.4	339.7	340.2	339.7	340.4
16°	339.7	339.7	340.4	340.5	341.1	340.5	340.4	339.7	339.7	339.7	340.4
16.5°	339.7	339.7	340.1	340.6	341.1	340.6	340.1	339.7	339.7	339.7	340.1
17°	339.6	339.7	340.1	340.7	341.1	340.7	340.1	339.7	339.6	339.7	340.1
17.5°	339.4	339.8	340.1	340.4	340.7	340.4	340.1	339.8	339.4	339.8	340.1
18°	339.1	339.4	339.8	340.4	341.0	340.4	339.8	339.4	339.1	339.4	339.8
18.5°	339.3	339.3	339.6	340.2	341.0	340.2	339.6	339.3	339.3	339.3	339.6
19°	338.9	339.0	339.8	340.2	340.3	340.2	339.8	339.0	338.9	339.0	339.8
19.5°	338.6	338.8	339.4	339.9	340.3	339.9	339.4	338.8	338.6	338.8	339.4
20°	338.2	338.6	339.0	339.7	340.0	339.7	339.0	338.6	338.2	338.6	339.0
20.5°	338.1	338.5	339.0	339.3	339.9	339.3	339.0	338.5	338.1	338.5	339.0
21°	337.5	338.0	338.6	339.1	339.9	339.1	338.6	338.0	337.5	338.0	338.6



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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°	336.2	336.8	337.5	337.8	338.4	337.8	337.5	336.8	336.2	336.8	337.5
23°	335.9	336.1	336.8	337.5	337.7	337.5	336.8	336.1	335.9	336.1	336.8
23.5°	335.4	335.7	336.2	336.9	337.6	336.9	336.2	335.7	335.4	335.7	336.2
24°	334.7	334.9	335.4	336.1	336.6	336.1	335.4	334.9	334.7	334.9	335.4
24.5°	333.9	334.3	334.9	335.8	336.5	335.8	334.9	334.3	333.9	334.3	334.9
25°	333.6	333.5	334.3	334.8	335.6	334.8	334.3	333.5	333.6	333.5	334.3
25.5°	332.4	333.1	333.6	334.3	334.8	334.3	333.6	333.1	332.4	333.1	333.6
26°	331.8	332.1	332.8	333.6	333.6	333.6	332.8	332.1	331.8	332.1	332.8
26.5°	330.5	331.2	331.8	332.9	333.1	332.9	331.8	331.2	330.5	331.2	331.8
27°	329.8	330.3	331.0	331.8	332.1	331.8	331.0	330.3	329.8	330.3	331.0
27.5°	329.2	329.3	330.1	330.7	331.4	330.7	330.1	329.3	329.2	329.3	330.1
28°	327.8	328.2	329.1	329.6	330.1	329.6	329.1	328.2	327.8	328.2	329.1
28.5°	326.8	327.1	327.8	328.7	329.3	328.7	327.8	327.1	326.8	327.1	327.8
29°	325.3	326.0	326.7	327.7	327.7	327.7	326.7	326.0	325.3	326.0	326.7
29.5°	324.5	324.9	325.6	326.4	327.1	326.4	325.6	324.9	324.5	324.9	325.6
30°	322.9	323.5	324.4	325.0	325.4	325.0	324.4	323.5	322.9	323.5	324.4
30.5°	321.7	321.8	322.8	323.7	324.9	323.7	322.8	321.8	321.7	321.8	322.8
31°	320.4	320.7	321.7	322.4	323.0	322.4	321.7	320.7	320.4	320.7	321.7
31.5°	319.2	319.2	319.9	320.9	321.5	320.9	319.9	319.2	319.2	319.2	319.9
32°	317.4	317.7	318.5	319.5	319.7	319.5	318.5	317.7	317.4	317.7	318.5
32.5°	315.7	316.3	316.9	318.0	318.3	318.0	316.9	316.3	315.7	316.3	316.9
33°	314.2	314.5	315.2	315.9	316.6	315.9	315.2	314.5	314.2	314.5	315.2
33.5°	312.4	312.8	313.6	314.5	315.1	314.5	313.6	312.8	312.4	312.8	313.6
34°	310.5	310.9	311.9	312.8	313.0	312.8	311.9	310.9	310.5	310.9	311.9
34.5°	308.7	309.1	310.1	311.0	311.5	311.0	310.1	309.1	308.7	309.1	310.1
35°	307.0	307.0	308.1	309.1	309.2	309.1	308.1	307.0	307.0	307.0	308.1
35.5°	304.7	305.1	306.2	307.0	307.7	307.0	306.2	305.1	304.7	305.1	306.2
36°	302.9	302.4	304.1	305.0	305.5	305.0	304.1	302.4	302.9	302.4	304.1
36.5°	300.4	301.0	302.0	302.8	303.2	302.8	302.0	301.0	300.4	301.0	302.0
37°	298.6	298.5	299.9	300.7	301.2	300.7	299.9	298.5	298.6	298.5	299.9
37.5°	296.1	296.6	297.7	298.5	299.1	298.5	297.7	296.6	296.1	296.6	297.7
38°	293.8	294.0	295.0	296.2	296.5	296.2	295.0	294.0	293.8	294.0	295.0
38.5°	291.3	291.8	292.8	293.7	294.3	293.7	292.8	291.8	291.3	291.8	292.8
39°	289.0	289.3	290.3	291.4	291.9	291.4	290.3	289.3	289.0	289.3	290.3
39.5°	286.4	287.0	288.1	288.8	289.3	288.8	288.1	287.0	286.4	287.0	288.1
40°	284.0	284.4	285.4	286.5	286.5	286.5	285.4	284.4	284.0	284.4	285.4
40.5°	281.1	281.7	282.8	283.7	284.0	283.7	282.8	281.7	281.1	281.7	282.8
41°	278.8	279.2	280.1	281.0	281.6	281.0	280.1	279.2	278.8	279.2	280.1
41.5°	275.9	276.3	277.4	278.4	278.7	278.4	277.4	276.3	275.9	276.3	277.4
42°	273.4	273.8	274.7	275.7	275.8	275.7	274.7	273.8	273.4	273.8	274.7
42.5°	270.6	270.8	271.9	272.7	273.3	272.7	271.9	270.8	270.6	270.8	271.9
43°	267.7	268.0	269.1	269.9	270.1	269.9	269.1	268.0	267.7	268.0	269.1
43.5°	264.7	265.0	265.8	266.9	267.3	266.9	265.8	265.0	264.7	265.0	265.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	255.7	256.0	257.2	257.8	258.2	257.8	257.2	256.0	255.7	256.0	257.2
45.5°	252.8	253.1	253.9	254.6	255.1	254.6	253.9	253.1	252.8	253.1	253.9
46°	249.9	249.9	250.8	251.8	251.9	251.8	250.8	249.9	249.9	249.9	250.8
46.5°	246.5	246.8	247.7	248.5	248.9	248.5	247.7	246.8	246.5	246.8	247.7
47°	243.3	243.4	244.5	245.4	245.6	245.4	244.5	243.4	243.3	243.4	244.5
47.5°	240.2	240.5	241.3	242.2	242.6	242.2	241.3	240.5	240.2	240.5	241.3
48°	236.8	237.1	237.9	238.8	238.9	238.8	237.9	237.1	236.8	237.1	237.9
48.5°	233.8	233.8	234.9	235.5	235.6	235.5	234.9	233.8	233.8	233.8	234.9
49°	230.1	230.5	231.5	232.3	232.7	232.3	231.5	230.5	230.1	230.5	231.5
49.5°	227.2	227.3	228.1	229.1	229.2	229.1	228.1	227.3	227.2	227.3	228.1
50°	223.6	224.0	224.7	225.6	225.6	225.6	224.7	224.0	223.6	224.0	224.7
50.5°	220.4	220.1	221.5	222.4	222.4	222.4	221.5	220.1	220.4	220.1	221.5
51°	217.2	217.0	217.9	218.9	218.9	218.9	217.9	217.0	217.2	217.0	217.9
51.5°	214.0	213.7	214.6	215.6	215.4	215.6	214.6	213.7	214.0	213.7	214.6
52°	210.7	210.1	211.1	212.1	212.0	212.1	211.1	210.1	210.7	210.1	211.1
52.5°	207.1	206.8	207.8	208.6	208.5	208.6	207.8	206.8	207.1	206.8	207.8
53°	203.8	203.5	204.4	205.1	204.9	205.1	204.4	203.5	203.8	203.5	204.4
53.5°	200.3	200.0	201.0	201.8	201.4	201.8	201.0	200.0	200.3	200.0	201.0
54°	197.1	196.4	197.4	198.3	198.1	198.3	197.4	196.4	197.1	196.4	197.4
54.5°	193.4	193.1	193.8	194.7	194.7	194.7	193.8	193.1	193.4	193.1	193.8
55°	190.2	189.6	190.6	191.4	191.0	191.4	190.6	189.6	190.2	189.6	190.6
55.5°	186.5	186.2	187.1	187.9	187.5	187.9	187.1	186.2	186.5	186.2	187.1
56°	183.1	182.7	183.6	184.3	184.0	184.3	183.6	182.7	183.1	182.7	183.6
56.5°	179.7	179.2	180.2	181.1	180.7	181.1	180.2	179.2	179.7	179.2	180.2
57°	176.3	175.7	176.8	177.5	177.0	177.5	176.8	175.7	176.3	175.7	176.8
57.5°	172.6	172.5	173.2	174.0	173.9	174.0	173.2	172.5	172.6	172.5	173.2
58°	169.4	168.9	169.6	170.5	170.3	170.5	169.6	168.9	169.4	168.9	169.6
58.5°	166.0	165.6	166.3	167.1	167.0	167.1	166.3	165.6	166.0	165.6	166.3
59°	162.4	162.2	162.8	163.7	163.1	163.7	162.8	162.2	162.4	162.2	162.8
59.5°	159.1	158.8	159.5	160.1	160.2	160.1	159.5	158.8	159.1	158.8	159.5
60°	155.6	155.4	156.1	156.9	156.5	156.9	156.1	155.4	155.6	155.4	156.1
60.5°	152.3	152.0	152.7	153.3	153.0	153.3	152.7	152.0	152.3	152.0	152.7
61°	148.9	148.7	149.4	150.0	149.8	150.0	149.4	148.7	148.9	148.7	149.4
61.5°	145.6	145.4	146.1	146.6	146.4	146.6	146.1	145.4	145.6	145.4	146.1
62°	142.2	142.2	142.6	143.3	143.1	143.3	142.6	142.2	142.2	142.2	142.6
62.5°	138.9	138.9	139.4	139.9	139.7	139.9	139.4	138.9	138.9	138.9	139.4
63°	135.5	135.5	136.1	136.5	136.3	136.5	136.1	135.5	135.5	135.5	136.1
63.5°	132.5	132.3	132.8	133.3	133.2	133.3	132.8	132.3	132.5	132.3	132.8
64°	129.2	129.0	129.5	130.0	129.9	130.0	129.5	129.0	129.2	129.0	129.5
64.5°	125.9	125.8	126.3	126.7	126.7	126.7	126.3	125.8	125.9	125.8	126.3
65°	122.7	122.7	123.1	123.5	123.3	123.5	123.1	122.7	122.7	122.7	123.1
65.5°	119.5	119.5	119.8	120.2	120.2	120.2	119.8	119.5	119.5	119.5	119.8
66°	116.2	116.2	116.6	117.0	117.0	117.0	116.6	116.2	116.2	116.2	116.6

TEST NUMBER: P938671

CATALOG NUMBER: HLB6LSFS5-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	106.9	107.0	107.2	107.6	107.6	107.6	107.2	107.0	106.9	107.0	107.2
68°	103.8	104.0	104.2	104.6	104.4	104.6	104.2	104.0	103.8	104.0	104.2
68.5°	100.7	100.8	101.1	101.4	101.5	101.4	101.1	100.8	100.7	100.8	101.1
69°	97.9	97.9	98.2	98.4	98.3	98.4	98.2	97.9	97.9	97.9	98.2
69.5°	94.8	94.9	95.1	95.3	95.3	95.3	95.1	94.9	94.8	94.9	95.1
70°	91.9	91.8	92.1	92.4	92.4	92.4	92.1	91.8	91.9	91.8	92.1
70.5°	88.8	88.9	89.2	89.4	89.5	89.4	89.2	88.9	88.8	88.9	89.2
71°	85.9	86.0	86.3	86.4	86.4	86.4	86.3	86.0	85.9	86.0	86.3
71.5°	83.1	83.2	83.3	83.6	83.7	83.6	83.3	83.2	83.1	83.2	83.3
72°	80.2	80.3	80.5	80.7	80.7	80.7	80.5	80.3	80.2	80.3	80.5
72.5°	77.4	77.5	77.7	77.9	77.9	77.9	77.7	77.5	77.4	77.5	77.7
73°	74.6	74.8	74.9	75.1	75.1	75.1	74.9	74.8	74.6	74.8	74.9
73.5°	72.0	72.0	72.2	72.4	72.4	72.4	72.2	72.0	72.0	72.0	72.2
74°	69.2	69.4	69.5	69.7	69.6	69.7	69.5	69.4	69.2	69.4	69.5
74.5°	66.5	66.7	66.9	67.0	66.9	67.0	66.9	66.7	66.5	66.7	66.9
75°	64.0	64.0	64.3	64.4	64.3	64.4	64.3	64.0	64.0	64.0	64.3
75.5°	61.4	61.5	61.6	61.8	61.8	61.8	61.6	61.5	61.4	61.5	61.6
76°	58.8	58.8	58.9	59.1	59.1	59.1	58.9	58.8	58.8	58.8	58.9
76.5°	56.3	56.3	56.4	56.5	56.5	56.5	56.4	56.3	56.3	56.3	56.4
77°	53.9	53.8	53.9	54.1	53.9	54.1	53.9	53.8	53.9	53.8	53.9
77.5°	51.4	51.3	51.5	51.6	51.5	51.6	51.5	51.3	51.4	51.3	51.5
78°	49.0	48.8	49.0	49.1	49.0	49.1	49.0	48.8	49.0	48.8	49.0
78.5°	46.5	46.3	46.6	46.7	46.5	46.7	46.6	46.3	46.5	46.3	46.6
79°	44.1	44.0	44.2	44.3	44.2	44.3	44.2	44.0	44.1	44.0	44.2
79.5°	41.7	41.6	41.8	41.9	41.7	41.9	41.8	41.6	41.7	41.6	41.8
80°	39.4	39.3	39.5	39.5	39.4	39.5	39.5	39.3	39.4	39.3	39.5
80.5°	37.1	37.0	37.2	37.3	37.1	37.3	37.2	37.0	37.1	37.0	37.2
81°	34.8	34.8	34.8	34.9	34.8	34.9	34.8	34.8	34.8	34.8	34.8
81.5°	32.5	32.4	32.6	32.7	32.6	32.7	32.6	32.4	32.5	32.4	32.6
82°	30.3	30.2	30.3	30.5	30.2	30.5	30.3	30.2	30.3	30.2	30.3
82.5°	28.1	28.0	28.2	28.3	27.9	28.3	28.2	28.0	28.1	28.0	28.2
83°	25.9	25.9	26.0	26.1	25.9	26.1	26.0	25.9	25.9	25.9	26.0
83.5°	23.8	23.8	23.9	24.0	23.8	24.0	23.9	23.8	23.8	23.8	23.9
84°	21.8	21.7	21.8	21.8	21.7	21.8	21.8	21.7	21.8	21.7	21.8
84.5°	19.6	19.6	19.7	19.8	19.6	19.8	19.7	19.6	19.6	19.6	19.7
85°	17.5	17.5	17.6	17.7	17.5	17.7	17.6	17.5	17.5	17.5	17.6
85.5°	15.5	15.4	15.6	15.7	15.5	15.7	15.6	15.4	15.5	15.4	15.6
86°	13.5	13.5	13.5	13.6	13.5	13.6	13.5	13.5	13.5	13.5	13.5
86.5°	11.5	11.5	11.6	11.6	11.5	11.6	11.6	11.5	11.5	11.5	11.6
87°	9.6	9.6	9.6	9.7	9.6	9.7	9.6	9.6	9.6	9.6	9.6
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
88°	5.8	5.8	5.8	5.9	5.8	5.9	5.8	5.8	5.8	5.8	5.8
88.5°	3.9	3.8	3.8	3.9	3.9	3.9	3.8	3.8	3.9	3.8	3.8



TEST NUMBER: P938671
CATALOG NUMBER: HLB6LSFS5-1000LM-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: P938671

CATALOG NUMBER: HLB6LSFS5-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	337.6	337.6	337.6	337.6	337.6	337.6
0.5°	337.9	337.9	337.9	337.3	337.6	337.3
1°	337.7	337.9	337.7	337.5	337.8	337.1
1.5°	337.6	338.3	337.6	337.8	337.5	337.0
2°	337.9	337.9	337.9	337.7	337.6	337.3
2.5°	338.0	338.0	338.0	337.9	337.8	337.7
3°	337.9	338.7	337.9	337.9	337.8	338.0
3.5°	337.9	338.1	337.9	338.1	337.9	337.8
4°	338.2	338.6	338.2	338.2	337.9	337.7
4.5°	338.3	338.3	338.3	338.4	337.9	338.1
5°	338.5	339.0	338.5	338.4	338.2	338.2
5.5°	338.5	338.6	338.5	338.4	338.1	338.2
6°	338.6	338.7	338.6	338.3	338.3	338.2
6.5°	338.9	338.8	338.9	338.6	338.3	338.2
7°	338.8	338.8	338.8	338.6	338.6	338.5
7.5°	338.9	339.2	338.9	338.9	338.8	338.5
8°	338.7	339.2	338.7	339.0	338.7	338.9
8.5°	339.1	339.6	339.1	339.3	339.0	338.8
9°	339.4	339.6	339.4	339.4	338.8	339.3
9.5°	339.6	340.1	339.6	339.6	339.1	339.0
10°	339.6	340.1	339.6	339.7	339.3	339.3
10.5°	340.1	340.4	340.1	339.4	339.3	339.1
11°	340.0	340.2	340.0	340.0	339.6	339.4
11.5°	340.5	340.3	340.5	339.6	339.7	339.4
12°	340.1	340.4	340.1	340.0	339.7	339.7
12.5°	340.2	341.1	340.2	340.0	339.7	339.2
13°	340.3	340.7	340.3	340.2	340.1	339.9
13.5°	340.4	341.1	340.4	340.1	339.9	339.7
14°	340.8	340.9	340.8	340.4	340.0	339.8
14.5°	340.7	341.0	340.7	340.2	340.0	339.7
15°	340.8	340.8	340.8	340.3	339.8	339.3
15.5°	340.9	341.1	340.9	340.4	339.7	340.2
16°	340.5	341.1	340.5	340.4	339.7	339.7
16.5°	340.6	341.1	340.6	340.1	339.7	339.7
17°	340.7	341.1	340.7	340.1	339.7	339.6
17.5°	340.4	340.7	340.4	340.1	339.8	339.4
18°	340.4	341.0	340.4	339.8	339.4	339.1
18.5°	340.2	341.0	340.2	339.6	339.3	339.3
19°	340.2	340.3	340.2	339.8	339.0	338.9
19.5°	339.9	340.3	339.9	339.4	338.8	338.6
20°	339.7	340.0	339.7	339.0	338.6	338.2
20.5°	339.3	339.9	339.3	339.0	338.5	338.1
21°	339.1	339.9	339.1	338.6	338.0	337.5



TEST NUMBER: P938671

CATALOG NUMBER: HLB6LSFS5-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	337.8	338.4	337.8	337.5	336.8	336.2
23°	337.5	337.7	337.5	336.8	336.1	335.9
23.5°	336.9	337.6	336.9	336.2	335.7	335.4
24°	336.1	336.6	336.1	335.4	334.9	334.7
24.5°	335.8	336.5	335.8	334.9	334.3	333.9
25°	334.8	335.6	334.8	334.3	333.5	333.6
25.5°	334.3	334.8	334.3	333.6	333.1	332.4
26°	333.6	333.6	333.6	332.8	332.1	331.8
26.5°	332.9	333.1	332.9	331.8	331.2	330.5
27°	331.8	332.1	331.8	331.0	330.3	329.8
27.5°	330.7	331.4	330.7	330.1	329.3	329.2
28°	329.6	330.1	329.6	329.1	328.2	327.8
28.5°	328.7	329.3	328.7	327.8	327.1	326.8
29°	327.7	327.7	327.7	326.7	326.0	325.3
29.5°	326.4	327.1	326.4	325.6	324.9	324.5
30°	325.0	325.4	325.0	324.4	323.5	322.9
30.5°	323.7	324.9	323.7	322.8	321.8	321.7
31°	322.4	323.0	322.4	321.7	320.7	320.4
31.5°	320.9	321.5	320.9	319.9	319.2	319.2
32°	319.5	319.7	319.5	318.5	317.7	317.4
32.5°	318.0	318.3	318.0	316.9	316.3	315.7
33°	315.9	316.6	315.9	315.2	314.5	314.2
33.5°	314.5	315.1	314.5	313.6	312.8	312.4
34°	312.8	313.0	312.8	311.9	310.9	310.5
34.5°	311.0	311.5	311.0	310.1	309.1	308.7
35°	309.1	309.2	309.1	308.1	307.0	307.0
35.5°	307.0	307.7	307.0	306.2	305.1	304.7
36°	305.0	305.5	305.0	304.1	302.4	302.9
36.5°	302.8	303.2	302.8	302.0	301.0	300.4
37°	300.7	301.2	300.7	299.9	298.5	298.6
37.5°	298.5	299.1	298.5	297.7	296.6	296.1
38°	296.2	296.5	296.2	295.0	294.0	293.8
38.5°	293.7	294.3	293.7	292.8	291.8	291.3
39°	291.4	291.9	291.4	290.3	289.3	289.0
39.5°	288.8	289.3	288.8	288.1	287.0	286.4
40°	286.5	286.5	286.5	285.4	284.4	284.0
40.5°	283.7	284.0	283.7	282.8	281.7	281.1
41°	281.0	281.6	281.0	280.1	279.2	278.8
41.5°	278.4	278.7	278.4	277.4	276.3	275.9
42°	275.7	275.8	275.7	274.7	273.8	273.4
42.5°	272.7	273.3	272.7	271.9	270.8	270.6
43°	269.9	270.1	269.9	269.1	268.0	267.7
43.5°	266.9	267.3	266.9	265.8	265.0	264.7



TEST NUMBER: P938671

CATALOG NUMBER: HLB6LSFS5-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	257.8	258.2	257.8	257.2	256.0	255.7
45.5°	254.6	255.1	254.6	253.9	253.1	252.8
46°	251.8	251.9	251.8	250.8	249.9	249.9
46.5°	248.5	248.9	248.5	247.7	246.8	246.5
47°	245.4	245.6	245.4	244.5	243.4	243.3
47.5°	242.2	242.6	242.2	241.3	240.5	240.2
48°	238.8	238.9	238.8	237.9	237.1	236.8
48.5°	235.5	235.6	235.5	234.9	233.8	233.8
49°	232.3	232.7	232.3	231.5	230.5	230.1
49.5°	229.1	229.2	229.1	228.1	227.3	227.2
50°	225.6	225.6	225.6	224.7	224.0	223.6
50.5°	222.4	222.4	222.4	221.5	220.1	220.4
51°	218.9	218.9	218.9	217.9	217.0	217.2
51.5°	215.6	215.4	215.6	214.6	213.7	214.0
52°	212.1	212.0	212.1	211.1	210.1	210.7
52.5°	208.6	208.5	208.6	207.8	206.8	207.1
53°	205.1	204.9	205.1	204.4	203.5	203.8
53.5°	201.8	201.4	201.8	201.0	200.0	200.3
54°	198.3	198.1	198.3	197.4	196.4	197.1
54.5°	194.7	194.7	194.7	193.8	193.1	193.4
55°	191.4	191.0	191.4	190.6	189.6	190.2
55.5°	187.9	187.5	187.9	187.1	186.2	186.5
56°	184.3	184.0	184.3	183.6	182.7	183.1
56.5°	181.1	180.7	181.1	180.2	179.2	179.7
57°	177.5	177.0	177.5	176.8	175.7	176.3
57.5°	174.0	173.9	174.0	173.2	172.5	172.6
58°	170.5	170.3	170.5	169.6	168.9	169.4
58.5°	167.1	167.0	167.1	166.3	165.6	166.0
59°	163.7	163.1	163.7	162.8	162.2	162.4
59.5°	160.1	160.2	160.1	159.5	158.8	159.1
60°	156.9	156.5	156.9	156.1	155.4	155.6
60.5°	153.3	153.0	153.3	152.7	152.0	152.3
61°	150.0	149.8	150.0	149.4	148.7	148.9
61.5°	146.6	146.4	146.6	146.1	145.4	145.6
62°	143.3	143.1	143.3	142.6	142.2	142.2
62.5°	139.9	139.7	139.9	139.4	138.9	138.9
63°	136.5	136.3	136.5	136.1	135.5	135.5
63.5°	133.3	133.2	133.3	132.8	132.3	132.5
64°	130.0	129.9	130.0	129.5	129.0	129.2
64.5°	126.7	126.7	126.7	126.3	125.8	125.9
65°	123.5	123.3	123.5	123.1	122.7	122.7
65.5°	120.2	120.2	120.2	119.8	119.5	119.5
66°	117.0	117.0	117.0	116.6	116.2	116.2



TEST NUMBER: P938671

CATALOG NUMBER: HLB6LSFS5-1000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	107.6	107.6	107.6	107.2	107.0	106.9
68°	104.6	104.4	104.6	104.2	104.0	103.8
68.5°	101.4	101.5	101.4	101.1	100.8	100.7
69°	98.4	98.3	98.4	98.2	97.9	97.9
69.5°	95.3	95.3	95.3	95.1	94.9	94.8
70°	92.4	92.4	92.4	92.1	91.8	91.9
70.5°	89.4	89.5	89.4	89.2	88.9	88.8
71°	86.4	86.4	86.4	86.3	86.0	85.9
71.5°	83.6	83.7	83.6	83.3	83.2	83.1
72°	80.7	80.7	80.7	80.5	80.3	80.2
72.5°	77.9	77.9	77.9	77.7	77.5	77.4
73°	75.1	75.1	75.1	74.9	74.8	74.6
73.5°	72.4	72.4	72.4	72.2	72.0	72.0
74°	69.7	69.6	69.7	69.5	69.4	69.2
74.5°	67.0	66.9	67.0	66.9	66.7	66.5
75°	64.4	64.3	64.4	64.3	64.0	64.0
75.5°	61.8	61.8	61.8	61.6	61.5	61.4
76°	59.1	59.1	59.1	58.9	58.8	58.8
76.5°	56.5	56.5	56.5	56.4	56.3	56.3
77°	54.1	53.9	54.1	53.9	53.8	53.9
77.5°	51.6	51.5	51.6	51.5	51.3	51.4
78°	49.1	49.0	49.1	49.0	48.8	49.0
78.5°	46.7	46.5	46.7	46.6	46.3	46.5
79°	44.3	44.2	44.3	44.2	44.0	44.1
79.5°	41.9	41.7	41.9	41.8	41.6	41.7
80°	39.5	39.4	39.5	39.5	39.3	39.4
80.5°	37.3	37.1	37.3	37.2	37.0	37.1
81°	34.9	34.8	34.9	34.8	34.8	34.8
81.5°	32.7	32.6	32.7	32.6	32.4	32.5
82°	30.5	30.2	30.5	30.3	30.2	30.3
82.5°	28.3	27.9	28.3	28.2	28.0	28.1
83°	26.1	25.9	26.1	26.0	25.9	25.9
83.5°	24.0	23.8	24.0	23.9	23.8	23.8
84°	21.8	21.7	21.8	21.8	21.7	21.8
84.5°	19.8	19.6	19.8	19.7	19.6	19.6
85°	17.7	17.5	17.7	17.6	17.5	17.5
85.5°	15.7	15.5	15.7	15.6	15.4	15.5
86°	13.6	13.5	13.6	13.5	13.5	13.5
86.5°	11.6	11.5	11.6	11.6	11.5	11.5
87°	9.7	9.6	9.7	9.6	9.6	9.6
87.5°	7.7	7.7	7.7	7.7	7.7	7.7
88°	5.9	5.8	5.9	5.8	5.8	5.8
88.5°	3.9	3.9	3.9	3.8	3.8	3.9



TEST NUMBER: P938671
CATALOG NUMBER: HLB6LSFS5-1000LM-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



Report Generated By 670245859 / DESKTOP-T8S5UU9





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







21.5°	337.4	337.6	338.2	339.1	339.2	339.1	338.2	337.6	337.4	337.6	338.2
22°	336.7	337.1	337.5	338.3	339.0	338.3	337.5	337.1	336.7	337.1	337.5



44°	261.8	261.9	263.0	263.7	264.1	263.7	263.0	261.9	261.8	261.9	263.0
44.5°	258.6	259.1	260.0	260.9	261.2	260.9	260.0	259.1	258.6	259.1	260.0



66.5°	113.0	113.1	113.5	113.9	113.8	113.9	113.5	113.1	113.0	113.1	113.5
67°	109.9	110.1	110.3	110.8	110.7	110.8	110.3	110.1	109.9	110.1	110.3



89°	2.0	2.0	2.3	2.3	2.6	2.3	2.3	2.0	2.0	2.0	2.3
89.5°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.3





21.5°	339.1	339.2	339.1	338.2	337.6	337.4
22°	338.3	339.0	338.3	337.5	337.1	336.7



44°	263.7	264.1	263.7	263.0	261.9	261.8
44.5°	260.9	261.2	260.9	260.0	259.1	258.6



66.5°	113.9	113.8	113.9	113.5	113.1	113.0
67°	110.8	110.7	110.8	110.3	110.1	109.9



89°	2.3	2.6	2.3	2.3	2.0	2.0
89.5°	1.3	1.3	1.3	1.3	1.2	1.2



(END OF REPORT)