

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: P938685

Luminaire Tested: HLB6LSFS5-800LM-5000K

Issue Date: 1/15/2025

Test Information

Test Method: LM-79-2019
Report Number: P938685
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-5000K
Description: 6IN SELECTABLE LUMENS, 90CRI, DIMMING TO 10%
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.1 lumens
Efficiency: N/A
Efficacy: 98.5 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

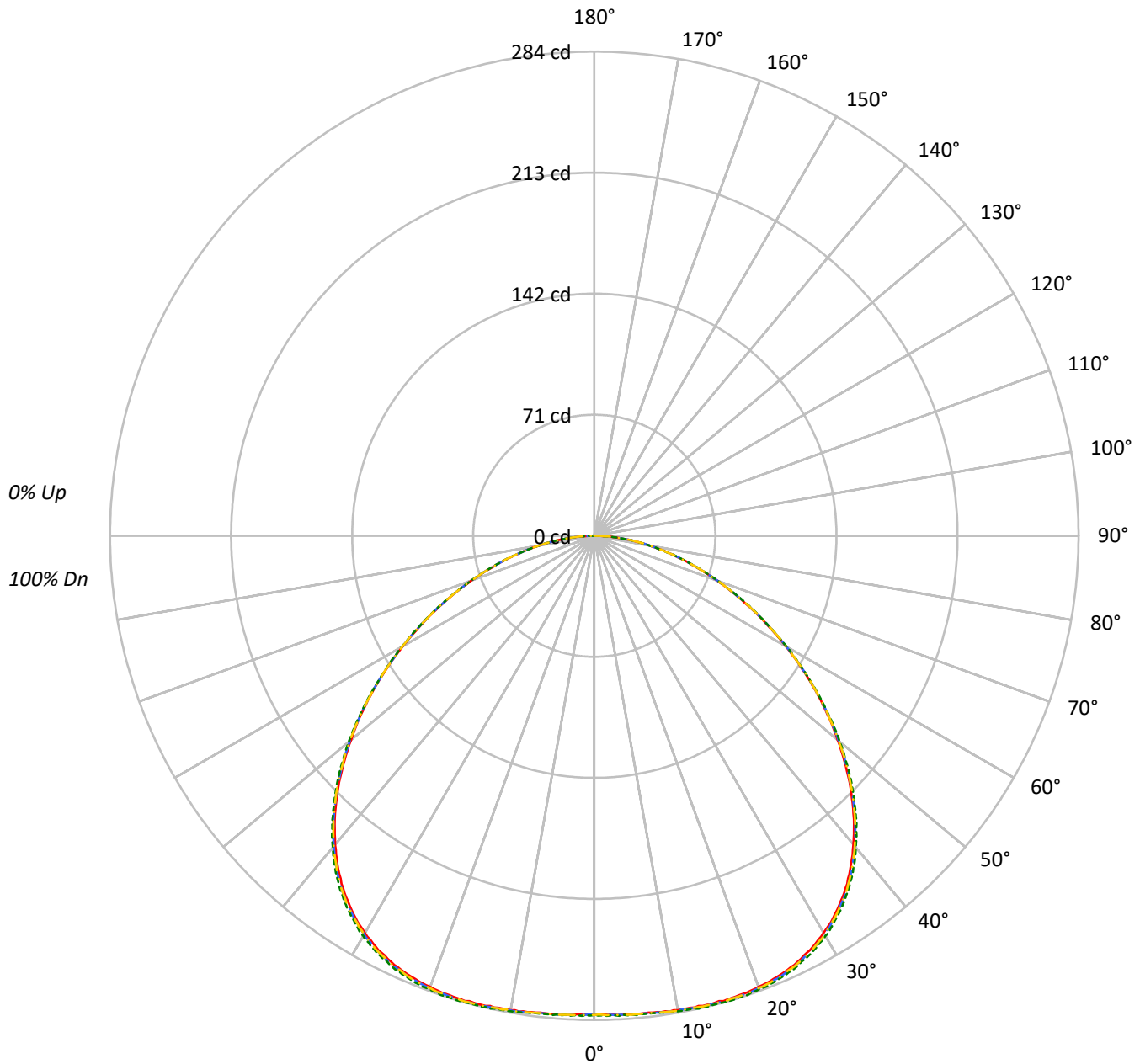
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P938685

CATALOG NUMBER: HLB6LSFS5-800LM-5000K

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					0
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°	15410	15410	15410	15410
5°	15496	15529	15496	15529
10°	15731	15765	15731	15765
15°	16039	16107	16039	16107
20°	16428	16516	16428	16516
25°	16797	16900	16797	16900
30°	17022	17155	17022	17155
35°	17106	17233	17106	17233
40°	16925	17075	16925	17075
45°	16513	16668	16513	16668
50°	15880	16025	15880	16025
55°	15139	15197	15139	15197
60°	14209	14286	14209	14286
65°	13244	13322	13244	13322
70°	12262	12326	12262	12326
75°	11289	11332	11289	11332
80°	10355	10355	10355	10355
85°	9183	9183	9183	9183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16668 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	3.1
10°-20°	80.3	9.2
20°-30°	128.3	14.6
30°-40°	160.2	18.3
40°-50°	164.7	18.8
50°-60°	141.8	16.2
60°-70°	101.6	11.6
70°-80°	56.8	6.5
80°-90°	16.4	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°	235.5	26.9
0°-40°	395.7	45.1
0°-60°	702.2	80.1
0°-90°	877.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	281	281	281	281	281	
5°	282	282	282	282	282	27
15°	283	284	283	284	283	80
25°	278	279	278	279	278	128
35°	256	258	256	258	256	159
45°	213	215	213	215	213	164
55°	158	159	158	159	158	141
65°	102	103	102	103	102	101
75°	53	54	53	54	53	57
85°	15	15	15	15	15	16
90°	0	0	0	0	0	

TEST NUMBER: P938685

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1
0.5°	280.9	281.1	280.9	281.3	281.4	281.3	280.9	281.1	280.9	281.1	280.9
1°	280.7	281.3	281.0	281.2	281.4	281.2	281.0	281.3	280.7	281.3	281.0
1.5°	280.6	281.1	281.3	281.1	281.7	281.1	281.3	281.1	280.6	281.1	281.3
2°	280.9	281.1	281.2	281.4	281.4	281.4	281.2	281.1	280.9	281.1	281.2
2.5°	281.2	281.3	281.4	281.5	281.5	281.5	281.4	281.3	281.2	281.3	281.4
3°	281.5	281.3	281.3	281.4	282.0	281.4	281.3	281.3	281.5	281.3	281.3
3.5°	281.3	281.3	281.5	281.3	281.5	281.3	281.5	281.3	281.3	281.3	281.5
4°	281.2	281.3	281.6	281.6	282.0	281.6	281.6	281.3	281.2	281.3	281.6
4.5°	281.5	281.4	281.8	281.7	281.7	281.7	281.8	281.4	281.5	281.4	281.8
5°	281.6	281.6	281.8	281.8	282.2	281.8	281.8	281.6	281.6	281.6	281.8
5.5°	281.6	281.5	281.8	281.8	282.0	281.8	281.8	281.5	281.6	281.5	281.8
6°	281.6	281.7	281.7	281.9	282.0	281.9	281.7	281.7	281.6	281.7	281.7
6.5°	281.6	281.7	281.9	282.2	282.1	282.2	281.9	281.7	281.6	281.7	281.9
7°	281.8	281.9	282.0	282.1	282.1	282.1	282.0	281.9	281.8	281.9	282.0
7.5°	281.8	282.1	282.2	282.2	282.4	282.2	282.2	282.1	281.8	282.1	282.2
8°	282.2	282.0	282.3	282.0	282.4	282.0	282.3	282.0	282.2	282.0	282.3
8.5°	282.1	282.2	282.5	282.4	282.8	282.4	282.5	282.2	282.1	282.2	282.5
9°	282.6	282.1	282.6	282.6	282.8	282.6	282.6	282.1	282.6	282.1	282.6
9.5°	282.2	282.4	282.8	282.8	283.2	282.8	282.8	282.4	282.2	282.4	282.8
10°	282.6	282.6	282.8	282.8	283.2	282.8	282.8	282.6	282.6	282.6	282.8
10.5°	282.4	282.6	282.6	283.2	283.4	283.2	282.6	282.6	282.4	282.6	282.6
11°	282.6	282.8	283.1	283.1	283.3	283.1	283.1	282.8	282.6	282.8	283.1
11.5°	282.6	282.8	282.8	283.5	283.3	283.5	282.8	282.8	282.6	282.8	282.8
12°	282.9	282.9	283.1	283.2	283.5	283.2	283.1	282.9	282.9	282.9	283.1
12.5°	282.4	282.8	283.1	283.3	284.0	283.3	283.1	282.8	282.4	282.8	283.1
13°	283.0	283.2	283.3	283.3	283.7	283.3	283.3	283.2	283.0	283.2	283.3
13.5°	282.9	283.0	283.2	283.4	284.1	283.4	283.2	283.0	282.9	283.0	283.2
14°	283.0	283.1	283.4	283.8	283.9	283.8	283.4	283.1	283.0	283.1	283.4
14.5°	282.9	283.1	283.3	283.7	283.9	283.7	283.3	283.1	282.9	283.1	283.3
15°	282.6	283.0	283.3	283.8	283.8	283.8	283.3	283.0	282.6	283.0	283.3
15.5°	283.3	282.9	283.5	283.9	284.0	283.9	283.5	282.9	283.3	282.9	283.5
16°	282.9	282.9	283.5	283.5	284.0	283.5	283.5	282.9	282.9	282.9	283.5
16.5°	282.9	282.8	283.2	283.6	284.1	283.6	283.2	282.8	282.9	282.8	283.2
17°	282.8	282.9	283.2	283.7	284.0	283.7	283.2	282.9	282.8	282.9	283.2
17.5°	282.6	283.0	283.2	283.5	283.7	283.5	283.2	283.0	282.6	283.0	283.2
18°	282.4	282.6	283.0	283.4	283.9	283.4	283.0	282.6	282.4	282.6	283.0
18.5°	282.5	282.6	282.8	283.3	283.9	283.3	282.8	282.6	282.5	282.6	282.8
19°	282.2	282.2	283.0	283.3	283.3	283.3	283.0	282.2	282.2	282.2	283.0
19.5°	281.9	282.1	282.6	283.0	283.3	283.0	282.6	282.1	281.9	282.1	282.6
20°	281.6	282.0	282.2	282.8	283.1	282.8	282.2	282.0	281.6	282.0	282.2
20.5°	281.5	281.8	282.3	282.6	283.0	282.6	282.3	281.8	281.5	281.8	282.3
21°	281.1	281.5	281.9	282.4	283.0	282.4	281.9	281.5	281.1	281.5	281.9

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CATALOG NUMBER: HLB6LSFS5-800LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	280.0	280.4	281.0	281.3	281.8	281.3	281.0	280.4	280.0	280.4	281.0
23°	279.7	279.9	280.5	281.1	281.2	281.1	280.5	279.9	279.7	279.9	280.5
23.5°	279.2	279.5	280.0	280.5	281.1	280.5	280.0	279.5	279.2	279.5	280.0
24°	278.7	278.9	279.2	279.9	280.3	279.9	279.2	278.9	278.7	278.9	279.2
24.5°	278.0	278.3	278.9	279.6	280.2	279.6	278.9	278.3	278.0	278.3	278.9
25°	277.7	277.7	278.4	278.8	279.4	278.8	278.4	277.7	277.7	277.7	278.4
25.5°	276.8	277.4	277.7	278.4	278.8	278.4	277.7	277.4	276.8	277.4	277.7
26°	276.3	276.5	277.1	277.7	277.7	277.7	277.1	276.5	276.3	276.5	277.1
26.5°	275.2	275.8	276.2	277.2	277.4	277.2	276.2	275.8	275.2	275.8	276.2
27°	274.6	275.1	275.6	276.2	276.5	276.2	275.6	275.1	274.6	275.1	275.6
27.5°	274.1	274.2	274.9	275.4	275.9	275.4	274.9	274.2	274.1	274.2	274.9
28°	273.0	273.2	274.0	274.5	274.9	274.5	274.0	273.2	273.0	273.2	274.0
28.5°	272.1	272.4	273.0	273.7	274.2	273.7	273.0	272.4	272.1	272.4	273.0
29°	270.9	271.4	272.0	272.9	272.9	272.9	272.0	271.4	270.9	271.4	272.0
29.5°	270.2	270.6	271.2	271.7	272.4	271.7	271.2	270.6	270.2	270.6	271.2
30°	268.9	269.3	270.1	270.6	271.0	270.6	270.1	269.3	268.9	269.3	270.1
30.5°	267.8	268.0	268.7	269.5	270.5	269.5	268.7	268.0	267.8	268.0	268.7
31°	266.8	267.1	267.9	268.4	268.9	268.4	267.9	267.1	266.8	267.1	267.9
31.5°	265.7	265.7	266.3	267.2	267.7	267.2	266.3	265.7	265.7	265.7	266.3
32°	264.3	264.5	265.2	266.0	266.2	266.0	265.2	264.5	264.3	264.5	265.2
32.5°	262.9	263.3	263.9	264.8	265.0	264.8	263.9	263.3	262.9	263.3	263.9
33°	261.6	261.9	262.5	263.1	263.6	263.1	262.5	261.9	261.6	261.9	262.5
33.5°	260.1	260.5	261.1	261.8	262.4	261.8	261.1	260.5	260.1	260.5	261.1
34°	258.5	258.8	259.7	260.5	260.7	260.5	259.7	258.8	258.5	258.8	259.7
34.5°	257.1	257.4	258.2	259.0	259.4	259.0	258.2	257.4	257.1	257.4	258.2
35°	255.6	255.6	256.6	257.3	257.5	257.3	256.6	255.6	255.6	255.6	256.6
35.5°	253.8	254.1	255.0	255.6	256.2	255.6	255.0	254.1	253.8	254.1	255.0
36°	252.3	251.8	253.2	254.0	254.4	254.0	253.2	251.8	252.3	251.8	253.2
36.5°	250.1	250.6	251.5	252.1	252.5	252.1	251.5	250.6	250.1	250.6	251.5
37°	248.6	248.5	249.7	250.4	250.8	250.4	249.7	248.5	248.6	248.5	249.7
37.5°	246.6	247.0	247.9	248.5	249.1	248.5	247.9	247.0	246.6	247.0	247.9
38°	244.6	244.8	245.7	246.7	246.9	246.7	245.7	244.8	244.6	244.8	245.7
38.5°	242.5	243.0	243.8	244.6	245.1	244.6	243.8	243.0	242.5	243.0	243.8
39°	240.7	240.9	241.8	242.7	243.1	242.7	241.8	240.9	240.7	240.9	241.8
39.5°	238.4	239.0	239.9	240.5	240.9	240.5	239.9	239.0	238.4	239.0	239.9
40°	236.5	236.8	237.7	238.6	238.6	238.6	237.7	236.8	236.5	236.8	237.7
40.5°	234.1	234.5	235.5	236.2	236.5	236.2	235.5	234.5	234.1	234.5	235.5
41°	232.1	232.4	233.2	233.9	234.5	233.9	233.2	232.4	232.1	232.4	233.2
41.5°	229.7	230.0	231.0	231.8	232.0	231.8	231.0	230.0	229.7	230.0	231.0
42°	227.6	228.0	228.7	229.6	229.6	229.6	228.7	228.0	227.6	228.0	228.7
42.5°	225.3	225.5	226.4	227.0	227.6	227.0	226.4	225.5	225.3	225.5	226.4
43°	222.9	223.2	224.0	224.7	224.9	224.7	224.0	223.2	222.9	223.2	224.0
43.5°	220.4	220.6	221.4	222.3	222.5	222.3	221.4	220.6	220.4	220.6	221.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	213.0	213.1	214.1	214.6	215.0	214.6	214.1	213.1	213.0	213.1	214.1
45.5°	210.5	210.7	211.4	212.0	212.4	212.0	211.4	210.7	210.5	210.7	211.4
46°	208.1	208.1	208.8	209.6	209.8	209.6	208.8	208.1	208.1	208.1	208.8
46.5°	205.3	205.5	206.2	207.0	207.3	207.0	206.2	205.5	205.3	205.5	206.2
47°	202.6	202.7	203.6	204.3	204.5	204.3	203.6	202.7	202.6	202.7	203.6
47.5°	200.0	200.2	200.9	201.7	202.0	201.7	200.9	200.2	200.0	200.2	200.9
48°	197.2	197.4	198.1	198.8	198.9	198.8	198.1	197.4	197.2	197.4	198.1
48.5°	194.7	194.7	195.6	196.1	196.2	196.1	195.6	194.7	194.7	194.7	195.6
49°	191.6	192.0	192.7	193.5	193.7	193.5	192.7	192.0	191.6	192.0	192.7
49.5°	189.2	189.3	189.9	190.8	190.9	190.8	189.9	189.3	189.2	189.3	189.9
50°	186.2	186.5	187.1	187.9	187.9	187.9	187.1	186.5	186.2	186.5	187.1
50.5°	183.6	183.3	184.4	185.2	185.2	185.2	184.4	183.3	183.6	183.3	184.4
51°	180.8	180.7	181.4	182.2	182.2	182.2	181.4	180.7	180.8	180.7	181.4
51.5°	178.2	177.9	178.7	179.5	179.4	179.5	178.7	177.9	178.2	177.9	178.7
52°	175.5	174.9	175.8	176.6	176.5	176.6	175.8	174.9	175.5	174.9	175.8
52.5°	172.5	172.2	173.0	173.7	173.6	173.7	173.0	172.2	172.5	172.2	173.0
53°	169.7	169.4	170.2	170.8	170.6	170.8	170.2	169.4	169.7	169.4	170.2
53.5°	166.8	166.5	167.4	168.0	167.7	168.0	167.4	166.5	166.8	166.5	167.4
54°	164.1	163.5	164.4	165.1	164.9	165.1	164.4	163.5	164.1	163.5	164.4
54.5°	161.0	160.8	161.4	162.1	162.1	162.1	161.4	160.8	161.0	160.8	161.4
55°	158.4	157.9	158.7	159.4	159.0	159.4	158.7	157.9	158.4	157.9	158.7
55.5°	155.3	155.0	155.8	156.4	156.1	156.4	155.8	155.0	155.3	155.0	155.8
56°	152.5	152.1	152.9	153.4	153.2	153.4	152.9	152.1	152.5	152.1	152.9
56.5°	149.6	149.2	150.0	150.8	150.4	150.8	150.0	149.2	149.6	149.2	150.0
57°	146.8	146.3	147.2	147.8	147.4	147.8	147.2	146.3	146.8	146.3	147.2
57.5°	143.7	143.6	144.2	144.9	144.8	144.9	144.2	143.6	143.7	143.6	144.2
58°	141.1	140.7	141.3	142.0	141.8	142.0	141.3	140.7	141.1	140.7	141.3
58.5°	138.3	137.9	138.5	139.2	139.0	139.2	138.5	137.9	138.3	137.9	138.5
59°	135.3	135.1	135.6	136.3	135.8	136.3	135.6	135.1	135.3	135.1	135.6
59.5°	132.5	132.2	132.8	133.3	133.4	133.3	132.8	132.2	132.5	132.2	132.8
60°	129.6	129.4	130.0	130.6	130.3	130.6	130.0	129.4	129.6	129.4	130.0
60.5°	126.8	126.6	127.2	127.6	127.4	127.6	127.2	126.6	126.8	126.6	127.2
61°	124.0	123.8	124.4	124.9	124.8	124.9	124.4	123.8	124.0	123.8	124.4
61.5°	121.2	121.0	121.6	122.1	121.9	122.1	121.6	121.0	121.2	121.0	121.6
62°	118.4	118.4	118.8	119.3	119.2	119.3	118.8	118.4	118.4	118.4	118.8
62.5°	115.6	115.6	116.1	116.5	116.3	116.5	116.1	115.6	115.6	115.6	116.1
63°	112.8	112.8	113.3	113.7	113.5	113.7	113.3	112.8	112.8	112.8	113.3
63.5°	110.3	110.2	110.5	111.0	110.9	111.0	110.5	110.2	110.3	110.2	110.5
64°	107.6	107.4	107.8	108.3	108.1	108.3	107.8	107.4	107.6	107.4	107.8
64.5°	104.8	104.7	105.1	105.5	105.5	105.5	105.1	104.7	104.8	104.7	105.1
65°	102.1	102.1	102.5	102.9	102.7	102.9	102.5	102.1	102.1	102.1	102.5
65.5°	99.5	99.5	99.7	100.1	100.1	100.1	99.7	99.5	99.5	99.5	99.7
66°	96.7	96.8	97.1	97.4	97.4	97.4	97.1	96.8	96.7	96.8	97.1

TEST NUMBER: P938685

CATALOG NUMBER: HLB6LSFS5-800LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	89.0	89.1	89.3	89.6	89.6	89.6	89.3	89.1	89.0	89.1	89.3
68°	86.4	86.6	86.8	87.1	87.0	87.1	86.8	86.6	86.4	86.6	86.8
68.5°	83.9	84.0	84.2	84.4	84.5	84.4	84.2	84.0	83.9	84.0	84.2
69°	81.5	81.5	81.7	81.9	81.9	81.9	81.7	81.5	81.5	81.5	81.7
69.5°	78.9	79.0	79.2	79.4	79.4	79.4	79.2	79.0	78.9	79.0	79.2
70°	76.5	76.5	76.7	76.9	76.9	76.9	76.7	76.5	76.5	76.5	76.7
70.5°	73.9	74.0	74.2	74.4	74.5	74.4	74.2	74.0	73.9	74.0	74.2
71°	71.5	71.6	71.8	72.0	72.0	72.0	71.8	71.6	71.5	71.6	71.8
71.5°	69.2	69.3	69.4	69.6	69.7	69.6	69.4	69.3	69.2	69.3	69.4
72°	66.8	66.9	67.0	67.2	67.2	67.2	67.0	66.9	66.8	66.9	67.0
72.5°	64.5	64.5	64.7	64.9	64.9	64.9	64.7	64.5	64.5	64.5	64.7
73°	62.1	62.3	62.4	62.6	62.5	62.6	62.4	62.3	62.1	62.3	62.4
73.5°	60.0	60.0	60.1	60.3	60.3	60.3	60.1	60.0	60.0	60.0	60.1
74°	57.6	57.8	57.9	58.0	57.9	58.0	57.9	57.8	57.6	57.8	57.9
74.5°	55.4	55.5	55.7	55.8	55.7	55.8	55.7	55.5	55.4	55.5	55.7
75°	53.3	53.3	53.5	53.6	53.5	53.6	53.5	53.3	53.3	53.3	53.5
75.5°	51.1	51.2	51.3	51.4	51.4	51.4	51.3	51.2	51.1	51.2	51.3
76°	49.0	49.0	49.1	49.2	49.2	49.2	49.1	49.0	49.0	49.0	49.1
76.5°	46.9	46.9	47.0	47.1	47.1	47.1	47.0	46.9	46.9	46.9	47.0
77°	44.8	44.8	44.9	45.0	44.9	45.0	44.9	44.8	44.8	44.8	44.9
77.5°	42.8	42.7	42.9	43.0	42.9	43.0	42.9	42.7	42.8	42.7	42.9
78°	40.8	40.7	40.8	40.9	40.8	40.9	40.8	40.7	40.8	40.7	40.8
78.5°	38.7	38.6	38.8	38.8	38.7	38.8	38.8	38.6	38.7	38.6	38.8
79°	36.7	36.6	36.8	36.9	36.8	36.9	36.8	36.6	36.7	36.6	36.8
79.5°	34.7	34.7	34.8	34.9	34.7	34.9	34.8	34.7	34.7	34.7	34.8
80°	32.8	32.7	32.9	32.9	32.8	32.9	32.9	32.7	32.8	32.7	32.9
80.5°	30.9	30.8	31.0	31.0	30.9	31.0	31.0	30.8	30.9	30.8	31.0
81°	28.9	28.9	29.0	29.1	29.0	29.1	29.0	28.9	28.9	28.9	29.0
81.5°	27.1	27.0	27.1	27.2	27.1	27.2	27.1	27.0	27.1	27.0	27.1
82°	25.2	25.2	25.2	25.4	25.2	25.4	25.2	25.2	25.2	25.2	25.2
82.5°	23.4	23.3	23.5	23.5	23.3	23.5	23.5	23.3	23.4	23.3	23.5
83°	21.6	21.6	21.6	21.8	21.6	21.8	21.6	21.6	21.6	21.6	21.6
83.5°	19.8	19.8	19.9	19.9	19.8	19.9	19.9	19.8	19.8	19.8	19.9
84°	18.1	18.1	18.1	18.2	18.1	18.2	18.1	18.1	18.1	18.1	18.1
84.5°	16.3	16.3	16.4	16.5	16.4	16.5	16.4	16.3	16.3	16.3	16.4
85°	14.6	14.6	14.7	14.7	14.6	14.7	14.7	14.6	14.6	14.6	14.7
85.5°	12.9	12.8	13.0	13.0	12.9	13.0	13.0	12.8	12.9	12.8	13.0
86°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.3
86.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
87°	8.0	8.0	8.0	8.1	8.0	8.1	8.0	8.0	8.0	8.0	8.0
87.5°	6.4	6.4	6.4	6.5	6.4	6.5	6.4	6.4	6.4	6.4	6.4
88°	4.8	4.8	4.8	4.9	4.8	4.9	4.8	4.8	4.8	4.8	4.8
88.5°	3.3	3.2	3.2	3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.2



TEST NUMBER: P938685
CATALOG NUMBER: HLB6LSFS5-800LM-5000K

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: P938685

CATALOG NUMBER: HLB6LSFS5-800LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	281.1	281.1	281.1	281.1	281.1	281.1
0.5°	281.3	281.4	281.3	280.9	281.1	280.9
1°	281.2	281.4	281.2	281.0	281.3	280.7
1.5°	281.1	281.7	281.1	281.3	281.1	280.6
2°	281.4	281.4	281.4	281.2	281.1	280.9
2.5°	281.5	281.5	281.5	281.4	281.3	281.2
3°	281.4	282.0	281.4	281.3	281.3	281.5
3.5°	281.3	281.5	281.3	281.5	281.3	281.3
4°	281.6	282.0	281.6	281.6	281.3	281.2
4.5°	281.7	281.7	281.7	281.8	281.4	281.5
5°	281.8	282.2	281.8	281.8	281.6	281.6
5.5°	281.8	282.0	281.8	281.8	281.5	281.6
6°	281.9	282.0	281.9	281.7	281.7	281.6
6.5°	282.2	282.1	282.2	281.9	281.7	281.6
7°	282.1	282.1	282.1	282.0	281.9	281.8
7.5°	282.2	282.4	282.2	282.2	282.1	281.8
8°	282.0	282.4	282.0	282.3	282.0	282.2
8.5°	282.4	282.8	282.4	282.5	282.2	282.1
9°	282.6	282.8	282.6	282.6	282.1	282.6
9.5°	282.8	283.2	282.8	282.8	282.4	282.2
10°	282.8	283.2	282.8	282.8	282.6	282.6
10.5°	283.2	283.4	283.2	282.6	282.6	282.4
11°	283.1	283.3	283.1	283.1	282.8	282.6
11.5°	283.5	283.3	283.5	282.8	282.8	282.6
12°	283.2	283.5	283.2	283.1	282.9	282.9
12.5°	283.3	284.0	283.3	283.1	282.8	282.4
13°	283.3	283.7	283.3	283.3	283.2	283.0
13.5°	283.4	284.1	283.4	283.2	283.0	282.9
14°	283.8	283.9	283.8	283.4	283.1	283.0
14.5°	283.7	283.9	283.7	283.3	283.1	282.9
15°	283.8	283.8	283.8	283.3	283.0	282.6
15.5°	283.9	284.0	283.9	283.5	282.9	283.3
16°	283.5	284.0	283.5	283.5	282.9	282.9
16.5°	283.6	284.1	283.6	283.2	282.8	282.9
17°	283.7	284.0	283.7	283.2	282.9	282.8
17.5°	283.5	283.7	283.5	283.2	283.0	282.6
18°	283.4	283.9	283.4	283.0	282.6	282.4
18.5°	283.3	283.9	283.3	282.8	282.6	282.5
19°	283.3	283.3	283.3	283.0	282.2	282.2
19.5°	283.0	283.3	283.0	282.6	282.1	281.9
20°	282.8	283.1	282.8	282.2	282.0	281.6
20.5°	282.6	283.0	282.6	282.3	281.8	281.5
21°	282.4	283.0	282.4	281.9	281.5	281.1



TEST NUMBER: P938685

CATALOG NUMBER: HLB6LSFS5-800LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	281.3	281.8	281.3	281.0	280.4	280.0
23°	281.1	281.2	281.1	280.5	279.9	279.7
23.5°	280.5	281.1	280.5	280.0	279.5	279.2
24°	279.9	280.3	279.9	279.2	278.9	278.7
24.5°	279.6	280.2	279.6	278.9	278.3	278.0
25°	278.8	279.4	278.8	278.4	277.7	277.7
25.5°	278.4	278.8	278.4	277.7	277.4	276.8
26°	277.7	277.7	277.7	277.1	276.5	276.3
26.5°	277.2	277.4	277.2	276.2	275.8	275.2
27°	276.2	276.5	276.2	275.6	275.1	274.6
27.5°	275.4	275.9	275.4	274.9	274.2	274.1
28°	274.5	274.9	274.5	274.0	273.2	273.0
28.5°	273.7	274.2	273.7	273.0	272.4	272.1
29°	272.9	272.9	272.9	272.0	271.4	270.9
29.5°	271.7	272.4	271.7	271.2	270.6	270.2
30°	270.6	271.0	270.6	270.1	269.3	268.9
30.5°	269.5	270.5	269.5	268.7	268.0	267.8
31°	268.4	268.9	268.4	267.9	267.1	266.8
31.5°	267.2	267.7	267.2	266.3	265.7	265.7
32°	266.0	266.2	266.0	265.2	264.5	264.3
32.5°	264.8	265.0	264.8	263.9	263.3	262.9
33°	263.1	263.6	263.1	262.5	261.9	261.6
33.5°	261.8	262.4	261.8	261.1	260.5	260.1
34°	260.5	260.7	260.5	259.7	258.8	258.5
34.5°	259.0	259.4	259.0	258.2	257.4	257.1
35°	257.3	257.5	257.3	256.6	255.6	255.6
35.5°	255.6	256.2	255.6	255.0	254.1	253.8
36°	254.0	254.4	254.0	253.2	251.8	252.3
36.5°	252.1	252.5	252.1	251.5	250.6	250.1
37°	250.4	250.8	250.4	249.7	248.5	248.6
37.5°	248.5	249.1	248.5	247.9	247.0	246.6
38°	246.7	246.9	246.7	245.7	244.8	244.6
38.5°	244.6	245.1	244.6	243.8	243.0	242.5
39°	242.7	243.1	242.7	241.8	240.9	240.7
39.5°	240.5	240.9	240.5	239.9	239.0	238.4
40°	238.6	238.6	238.6	237.7	236.8	236.5
40.5°	236.2	236.5	236.2	235.5	234.5	234.1
41°	233.9	234.5	233.9	233.2	232.4	232.1
41.5°	231.8	232.0	231.8	231.0	230.0	229.7
42°	229.6	229.6	229.6	228.7	228.0	227.6
42.5°	227.0	227.6	227.0	226.4	225.5	225.3
43°	224.7	224.9	224.7	224.0	223.2	222.9
43.5°	222.3	222.5	222.3	221.4	220.6	220.4



TEST NUMBER: P938685

CATALOG NUMBER: HLB6LSFS5-800LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	214.6	215.0	214.6	214.1	213.1	213.0
45.5°	212.0	212.4	212.0	211.4	210.7	210.5
46°	209.6	209.8	209.6	208.8	208.1	208.1
46.5°	207.0	207.3	207.0	206.2	205.5	205.3
47°	204.3	204.5	204.3	203.6	202.7	202.6
47.5°	201.7	202.0	201.7	200.9	200.2	200.0
48°	198.8	198.9	198.8	198.1	197.4	197.2
48.5°	196.1	196.2	196.1	195.6	194.7	194.7
49°	193.5	193.7	193.5	192.7	192.0	191.6
49.5°	190.8	190.9	190.8	189.9	189.3	189.2
50°	187.9	187.9	187.9	187.1	186.5	186.2
50.5°	185.2	185.2	185.2	184.4	183.3	183.6
51°	182.2	182.2	182.2	181.4	180.7	180.8
51.5°	179.5	179.4	179.5	178.7	177.9	178.2
52°	176.6	176.5	176.6	175.8	174.9	175.5
52.5°	173.7	173.6	173.7	173.0	172.2	172.5
53°	170.8	170.6	170.8	170.2	169.4	169.7
53.5°	168.0	167.7	168.0	167.4	166.5	166.8
54°	165.1	164.9	165.1	164.4	163.5	164.1
54.5°	162.1	162.1	162.1	161.4	160.8	161.0
55°	159.4	159.0	159.4	158.7	157.9	158.4
55.5°	156.4	156.1	156.4	155.8	155.0	155.3
56°	153.4	153.2	153.4	152.9	152.1	152.5
56.5°	150.8	150.4	150.8	150.0	149.2	149.6
57°	147.8	147.4	147.8	147.2	146.3	146.8
57.5°	144.9	144.8	144.9	144.2	143.6	143.7
58°	142.0	141.8	142.0	141.3	140.7	141.1
58.5°	139.2	139.0	139.2	138.5	137.9	138.3
59°	136.3	135.8	136.3	135.6	135.1	135.3
59.5°	133.3	133.4	133.3	132.8	132.2	132.5
60°	130.6	130.3	130.6	130.0	129.4	129.6
60.5°	127.6	127.4	127.6	127.2	126.6	126.8
61°	124.9	124.8	124.9	124.4	123.8	124.0
61.5°	122.1	121.9	122.1	121.6	121.0	121.2
62°	119.3	119.2	119.3	118.8	118.4	118.4
62.5°	116.5	116.3	116.5	116.1	115.6	115.6
63°	113.7	113.5	113.7	113.3	112.8	112.8
63.5°	111.0	110.9	111.0	110.5	110.2	110.3
64°	108.3	108.1	108.3	107.8	107.4	107.6
64.5°	105.5	105.5	105.5	105.1	104.7	104.8
65°	102.9	102.7	102.9	102.5	102.1	102.1
65.5°	100.1	100.1	100.1	99.7	99.5	99.5
66°	97.4	97.4	97.4	97.1	96.8	96.7



TEST NUMBER: P938685

CATALOG NUMBER: HLB6LSFS5-800LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	89.6	89.6	89.6	89.3	89.1	89.0
68°	87.1	87.0	87.1	86.8	86.6	86.4
68.5°	84.4	84.5	84.4	84.2	84.0	83.9
69°	81.9	81.9	81.9	81.7	81.5	81.5
69.5°	79.4	79.4	79.4	79.2	79.0	78.9
70°	76.9	76.9	76.9	76.7	76.5	76.5
70.5°	74.4	74.5	74.4	74.2	74.0	73.9
71°	72.0	72.0	72.0	71.8	71.6	71.5
71.5°	69.6	69.7	69.6	69.4	69.3	69.2
72°	67.2	67.2	67.2	67.0	66.9	66.8
72.5°	64.9	64.9	64.9	64.7	64.5	64.5
73°	62.6	62.5	62.6	62.4	62.3	62.1
73.5°	60.3	60.3	60.3	60.1	60.0	60.0
74°	58.0	57.9	58.0	57.9	57.8	57.6
74.5°	55.8	55.7	55.8	55.7	55.5	55.4
75°	53.6	53.5	53.6	53.5	53.3	53.3
75.5°	51.4	51.4	51.4	51.3	51.2	51.1
76°	49.2	49.2	49.2	49.1	49.0	49.0
76.5°	47.1	47.1	47.1	47.0	46.9	46.9
77°	45.0	44.9	45.0	44.9	44.8	44.8
77.5°	43.0	42.9	43.0	42.9	42.7	42.8
78°	40.9	40.8	40.9	40.8	40.7	40.8
78.5°	38.8	38.7	38.8	38.8	38.6	38.7
79°	36.9	36.8	36.9	36.8	36.6	36.7
79.5°	34.9	34.7	34.9	34.8	34.7	34.7
80°	32.9	32.8	32.9	32.9	32.7	32.8
80.5°	31.0	30.9	31.0	31.0	30.8	30.9
81°	29.1	29.0	29.1	29.0	28.9	28.9
81.5°	27.2	27.1	27.2	27.1	27.0	27.1
82°	25.4	25.2	25.4	25.2	25.2	25.2
82.5°	23.5	23.3	23.5	23.5	23.3	23.4
83°	21.8	21.6	21.8	21.6	21.6	21.6
83.5°	19.9	19.8	19.9	19.9	19.8	19.8
84°	18.2	18.1	18.2	18.1	18.1	18.1
84.5°	16.5	16.4	16.5	16.4	16.3	16.3
85°	14.7	14.6	14.7	14.7	14.6	14.6
85.5°	13.0	12.9	13.0	13.0	12.8	12.9
86°	11.3	11.3	11.3	11.3	11.2	11.2
86.5°	9.6	9.6	9.6	9.6	9.6	9.6
87°	8.1	8.0	8.1	8.0	8.0	8.0
87.5°	6.5	6.4	6.5	6.4	6.4	6.4
88°	4.9	4.8	4.9	4.8	4.8	4.8
88.5°	3.3	3.3	3.3	3.2	3.2	3.3



TEST NUMBER: P938685

CATALOG NUMBER: HLB6LSFS5-800LM-5000K

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°	280.9	281.1	281.6	282.4	282.4	281.6	281.1	280.9	281.1	281.6
22°	280.3	280.7	281.1	281.7	281.7	281.1	280.7	280.3	280.7	281.1



44°	218.0	218.1	219.0	219.6	219.9	219.6	219.0	218.1	218.0	218.1	219.0
44.5°	215.4	215.8	216.5	217.3	217.5	217.3	216.5	215.8	215.4	215.8	216.5



66.5°	94.1	94.2	94.5	94.8	94.8	94.5	94.2	94.1	94.2	94.5
67°	91.5	91.6	91.8	92.2	92.2	91.8	91.6	91.5	91.6	91.8



89°	1.7	1.7	1.9	2.0	2.2	2.0	1.9	1.7	1.7	1.7	1.9
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°	282.4	282.4	282.4	281.6	281.1	280.9
22°	281.7	282.2	281.7	281.1	280.7	280.3



44°	219.6	219.9	219.6	219.0	218.1	218.0
44.5°	217.3	217.5	217.3	216.5	215.8	215.4



66.5°	94.8	94.8	94.8	94.5	94.2	94.1
67°	92.2	92.2	92.2	91.8	91.6	91.5



89°	2.0	2.2	2.0	1.9	1.7	1.7
89.5°	1.0	1.1	1.0	1.1	1.0	1.0



(END OF REPORT)