

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: P938676

Luminaire Tested: HLB6LSFS5-1200LM-2700K

Issue Date: 1/15/2025

Test Information

Test Method: LM-79-2019
Report Number: P938676
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: HLB6LSFS5-1200LM-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: 1250.0 lumens
Efficiency: N/A
Efficacy: 91.9 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

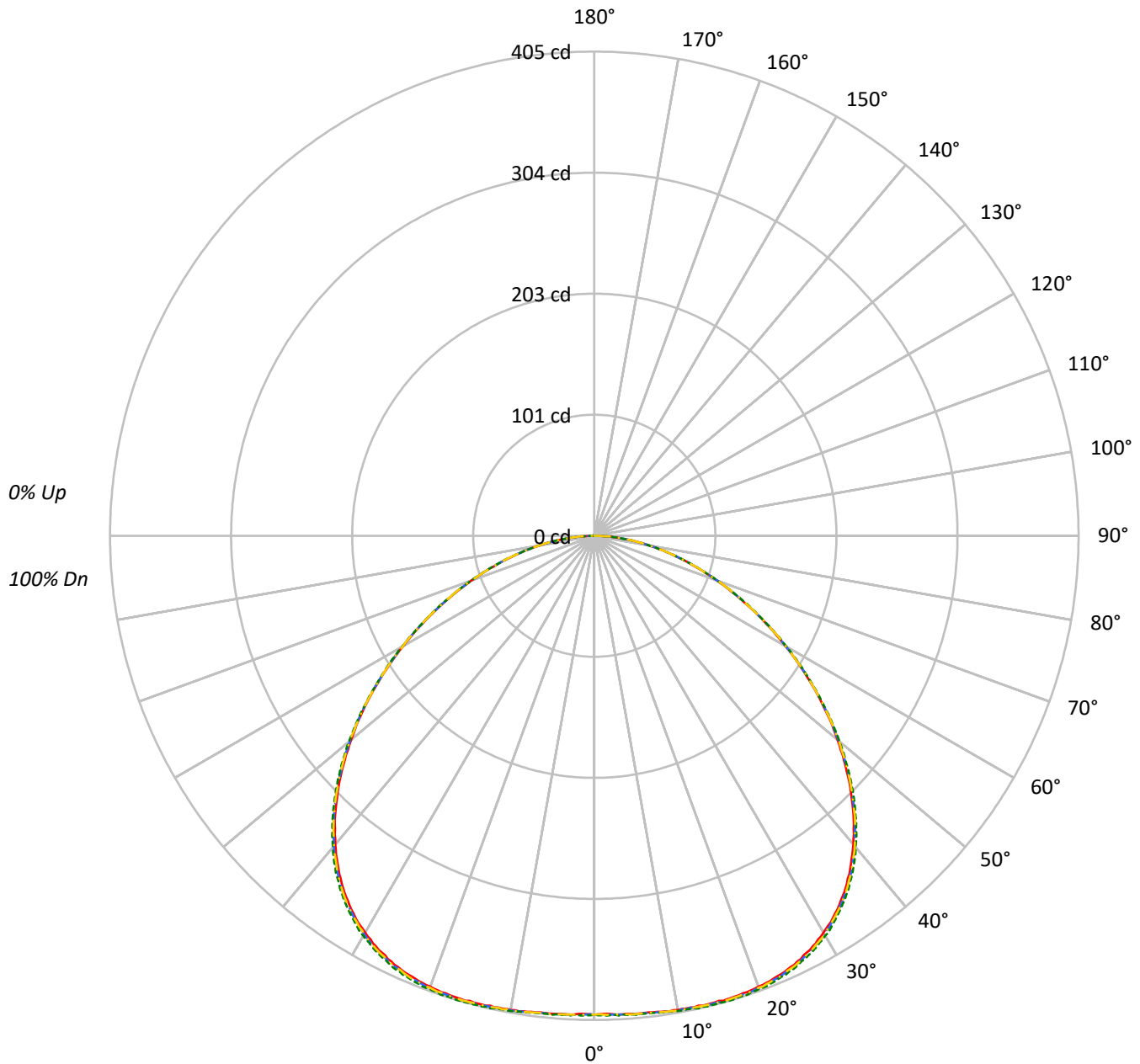
Input Watts (W): 13.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

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°	21966	21966	21966	21966
5°	22083	22138	22083	22138
10°	22417	22472	22417	22472
15°	22855	22957	22855	22957
20°	23411	23540	23411	23540
25°	23941	24092	23941	24092
30°	24257	24447	24257	24447
35°	24387	24561	24387	24561
40°	24117	24331	24117	24331
45°	23530	23754	23530	23754
50°	22635	22831	22635	22831
55°	21572	21667	21572	21667
60°	20251	20360	20251	20360
65°	18887	18977	18887	18977
70°	17487	17567	17487	17567
75°	16076	16161	16076	16161
80°	14743	14743	14743	14743
85°	13083	13083	13083	13083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 23754 cd/sqm



TEST NUMBER: P938676
 CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	3.1
10°-20°	114.4	9.2
20°-30°	182.9	14.6
30°-40°	228.3	18.3
40°-50°	234.8	18.8
50°-60°	202.1	16.2
60°-70°	144.9	11.6
70°-80°	81.0	6.5
80°-90°	23.4	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°	335.7	26.9
0°-40°	563.9	45.1
0°-60°	1000.8	80.1
0°-90°	1250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	401	401	401	401	401	
5°	401	402	401	402	401	38
15°	403	404	403	404	403	114
25°	396	398	396	398	396	182
35°	364	367	364	367	364	227
45°	304	306	304	306	304	234
55°	226	227	226	227	226	201
65°	146	146	146	146	146	144
75°	76	76	76	76	76	81
85°	21	21	21	21	21	23
90°	0	0	0	0	0	

TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7
0.5°	400.3	400.7	400.3	401.0	401.1	401.0	400.3	400.7	400.3	400.7	400.3
1°	400.0	400.9	400.5	400.8	401.1	400.8	400.5	400.9	400.0	400.9	400.5
1.5°	399.9	400.6	400.9	400.7	401.5	400.7	400.9	400.6	399.9	400.6	400.9
2°	400.3	400.7	400.8	401.1	401.1	401.1	400.8	400.7	400.3	400.7	400.8
2.5°	400.8	400.9	401.1	401.1	401.1	401.1	401.1	400.9	400.8	400.9	401.1
3°	401.1	400.9	401.0	401.1	402.0	401.1	401.0	400.9	401.1	400.9	401.0
3.5°	400.9	401.0	401.2	401.0	401.2	401.0	401.2	401.0	400.9	401.0	401.2
4°	400.8	401.0	401.3	401.3	401.9	401.3	401.3	401.0	400.8	401.0	401.3
4.5°	401.2	401.1	401.6	401.5	401.4	401.5	401.6	401.1	401.2	401.1	401.6
5°	401.3	401.3	401.6	401.7	402.3	401.7	401.6	401.3	401.3	401.3	401.6
5.5°	401.3	401.2	401.6	401.7	401.9	401.7	401.6	401.2	401.3	401.2	401.6
6°	401.3	401.5	401.5	401.8	402.0	401.8	401.5	401.5	401.3	401.5	401.5
6.5°	401.3	401.5	401.8	402.2	402.1	402.2	401.8	401.5	401.3	401.5	401.8
7°	401.7	401.8	401.9	402.1	402.1	402.1	401.9	401.8	401.7	401.8	401.9
7.5°	401.7	402.1	402.2	402.2	402.5	402.2	402.2	402.1	401.7	402.1	402.2
8°	402.2	402.0	402.4	402.0	402.5	402.0	402.4	402.0	402.2	402.0	402.4
8.5°	402.1	402.3	402.6	402.4	403.0	402.4	402.6	402.3	402.1	402.3	402.6
9°	402.7	402.1	402.8	402.8	403.0	402.8	402.8	402.1	402.7	402.1	402.8
9.5°	402.3	402.4	403.0	403.0	403.6	403.0	403.0	402.4	402.3	402.4	403.0
10°	402.7	402.7	403.1	403.0	403.7	403.0	403.1	402.7	402.7	402.7	403.1
10.5°	402.4	402.7	402.8	403.6	403.9	403.6	402.8	402.7	402.4	402.7	402.8
11°	402.8	403.0	403.5	403.5	403.7	403.5	403.5	403.0	402.8	403.0	403.5
11.5°	402.8	403.1	403.0	404.1	403.8	404.1	403.0	403.1	402.8	403.1	403.0
12°	403.2	403.2	403.5	403.7	404.0	403.7	403.5	403.2	403.2	403.2	403.5
12.5°	402.5	403.1	403.5	403.7	404.8	403.7	403.5	403.1	402.5	403.1	403.5
13°	403.4	403.6	403.7	403.8	404.3	403.8	403.7	403.6	403.4	403.6	403.7
13.5°	403.2	403.4	403.7	403.9	404.9	403.9	403.7	403.4	403.2	403.4	403.7
14°	403.3	403.5	403.9	404.5	404.6	404.5	403.9	403.5	403.3	403.5	403.9
14.5°	403.2	403.5	403.7	404.3	404.7	404.3	403.7	403.5	403.2	403.5	403.7
15°	402.7	403.3	403.8	404.5	404.5	404.5	403.8	403.3	402.7	403.3	403.8
15.5°	403.7	403.2	404.0	404.6	404.8	404.6	404.0	403.2	403.7	403.2	404.0
16°	403.2	403.2	404.0	404.1	404.8	404.1	404.0	403.2	403.2	403.2	404.0
16.5°	403.2	403.1	403.7	404.2	404.9	404.2	403.7	403.1	403.2	403.1	403.7
17°	403.0	403.2	403.7	404.3	404.8	404.3	403.7	403.2	403.0	403.2	403.7
17.5°	402.8	403.3	403.6	404.0	404.3	404.0	403.6	403.3	402.8	403.3	403.6
18°	402.4	402.8	403.3	403.9	404.7	403.9	403.3	402.8	402.4	402.8	403.3
18.5°	402.6	402.7	403.0	403.7	404.7	403.7	403.0	402.7	402.6	402.7	403.0
19°	402.2	402.3	403.3	403.7	403.8	403.7	403.3	402.3	402.2	402.3	403.3
19.5°	401.8	402.1	402.8	403.4	403.8	403.4	402.8	402.1	401.8	402.1	402.8
20°	401.3	401.9	402.3	403.1	403.5	403.1	402.3	401.9	401.3	401.9	402.3
20.5°	401.2	401.7	402.4	402.7	403.4	402.7	402.4	401.7	401.2	401.7	402.4
21°	400.6	401.1	401.8	402.4	403.4	402.4	401.8	401.1	400.6	401.1	401.8



TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	399.0	399.7	400.5	400.9	401.6	400.9	400.5	399.7	399.0	399.7	400.5
23°	398.6	398.9	399.8	400.6	400.8	400.6	399.8	398.9	398.6	398.9	399.8
23.5°	398.0	398.4	399.0	399.8	400.7	399.8	399.0	398.4	398.0	398.4	399.0
24°	397.2	397.4	398.0	398.9	399.5	398.9	398.0	397.4	397.2	397.4	398.0
24.5°	396.2	396.7	397.4	398.5	399.3	398.5	397.4	396.7	396.2	396.7	397.4
25°	395.8	395.8	396.8	397.3	398.3	397.3	396.8	395.8	395.8	395.8	396.8
25.5°	394.5	395.3	395.8	396.8	397.3	396.8	395.8	395.3	394.5	395.3	395.8
26°	393.8	394.1	394.9	395.8	395.8	395.8	394.9	394.1	393.8	394.1	394.9
26.5°	392.2	393.1	393.7	395.0	395.3	395.0	393.7	393.1	392.2	393.1	393.7
27°	391.4	392.0	392.8	393.7	394.1	393.7	392.8	392.0	391.4	392.0	392.8
27.5°	390.6	390.7	391.8	392.5	393.2	392.5	391.8	390.7	390.6	390.7	391.8
28°	389.1	389.4	390.6	391.2	391.8	391.2	390.6	389.4	389.1	389.4	390.6
28.5°	387.9	388.2	389.1	390.1	390.7	390.1	389.1	388.2	387.9	388.2	389.1
29°	386.1	386.8	387.7	388.9	388.9	388.9	387.7	386.8	386.1	386.8	387.7
29.5°	385.1	385.6	386.5	387.3	388.2	387.3	386.5	385.6	385.1	385.6	386.5
30°	383.2	383.9	385.0	385.7	386.2	385.7	385.0	383.9	383.2	383.9	385.0
30.5°	381.7	381.9	383.0	384.1	385.5	384.1	383.0	381.9	381.7	381.9	383.0
31°	380.2	380.6	381.8	382.6	383.3	382.6	381.8	380.6	380.2	380.6	381.8
31.5°	378.8	378.8	379.6	380.8	381.5	380.8	379.6	378.8	378.8	378.8	379.6
32°	376.7	377.0	378.0	379.1	379.4	379.1	378.0	377.0	376.7	377.0	378.0
32.5°	374.7	375.3	376.1	377.4	377.7	377.4	376.1	375.3	374.7	375.3	376.1
33°	372.9	373.3	374.1	374.9	375.7	374.9	374.1	373.3	372.9	373.3	374.1
33.5°	370.8	371.2	372.2	373.2	373.9	373.2	372.2	371.2	370.8	371.2	372.2
34°	368.4	368.9	370.1	371.2	371.5	371.2	370.1	368.9	368.4	368.9	370.1
34.5°	366.4	366.9	368.0	369.1	369.7	369.1	368.0	366.9	366.4	366.9	368.0
35°	364.4	364.4	365.7	366.8	367.0	366.8	365.7	364.4	364.4	364.4	365.7
35.5°	361.7	362.1	363.4	364.4	365.2	364.4	363.4	362.1	361.7	362.1	363.4
36°	359.5	358.9	360.9	361.9	362.6	361.9	360.9	358.9	359.5	358.9	360.9
36.5°	356.5	357.2	358.4	359.3	359.8	359.3	358.4	357.2	356.5	357.2	358.4
37°	354.3	354.2	355.9	356.8	357.5	356.8	355.9	354.2	354.3	354.2	355.9
37.5°	351.4	352.0	353.3	354.2	355.0	354.2	353.3	352.0	351.4	352.0	353.3
38°	348.7	348.9	350.1	351.5	351.9	351.5	350.1	348.9	348.7	348.9	350.1
38.5°	345.7	346.3	347.4	348.6	349.3	348.6	347.4	346.3	345.7	346.3	347.4
39°	343.0	343.4	344.6	345.9	346.4	345.9	344.6	343.4	343.0	343.4	344.6
39.5°	339.8	340.6	341.9	342.7	343.4	342.7	341.9	340.6	339.8	340.6	341.9
40°	337.0	337.5	338.7	340.0	340.0	340.0	338.7	337.5	337.0	337.5	338.7
40.5°	333.6	334.3	335.6	336.7	337.0	336.7	335.6	334.3	333.6	334.3	335.6
41°	330.8	331.3	332.4	333.4	334.2	333.4	332.4	331.3	330.8	331.3	332.4
41.5°	327.4	327.8	329.2	330.4	330.7	330.4	329.2	327.8	327.4	327.8	329.2
42°	324.4	325.0	326.0	327.2	327.3	327.2	326.0	325.0	324.4	325.0	326.0
42.5°	321.2	321.3	322.6	323.6	324.3	323.6	322.6	321.3	321.2	321.3	322.6
43°	317.7	318.1	319.3	320.3	320.5	320.3	319.3	318.1	317.7	318.1	319.3
43.5°	314.1	314.5	315.5	316.8	317.2	316.8	315.5	314.5	314.1	314.5	315.5

TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	303.5	303.8	305.2	305.9	306.4	305.9	305.2	303.8	303.5	303.8	305.2
45.5°	300.0	300.3	301.3	302.1	302.8	302.1	301.3	300.3	300.0	300.3	301.3
46°	296.5	296.5	297.7	298.8	299.0	298.8	297.7	296.5	296.5	296.5	297.7
46.5°	292.5	292.9	293.9	295.0	295.4	295.0	293.9	292.9	292.5	292.9	293.9
47°	288.7	288.8	290.1	291.2	291.4	291.2	290.1	288.8	288.7	288.8	290.1
47.5°	285.1	285.4	286.3	287.4	287.9	287.4	286.3	285.4	285.1	285.4	286.3
48°	281.0	281.4	282.3	283.3	283.5	283.3	282.3	281.4	281.0	281.4	282.3
48.5°	277.5	277.5	278.8	279.5	279.6	279.5	278.8	277.5	277.5	277.5	278.8
49°	273.1	273.6	274.7	275.7	276.1	275.7	274.7	273.6	273.1	273.6	274.7
49.5°	269.6	269.8	270.7	271.9	272.0	271.9	270.7	269.8	269.6	269.8	270.7
50°	265.4	265.8	266.6	267.7	267.7	267.7	266.6	265.8	265.4	265.8	266.6
50.5°	261.6	261.2	262.8	263.9	263.9	263.9	262.8	261.2	261.6	261.2	262.8
51°	257.7	257.5	258.5	259.7	259.7	259.7	258.5	257.5	257.7	257.5	258.5
51.5°	254.0	253.6	254.7	255.8	255.7	255.8	254.7	253.6	254.0	253.6	254.7
52°	250.1	249.3	250.6	251.7	251.6	251.7	250.6	249.3	250.1	249.3	250.6
52.5°	245.8	245.4	246.6	247.6	247.5	247.6	246.6	245.4	245.8	245.4	246.6
53°	241.8	241.4	242.6	243.4	243.2	243.4	242.6	241.4	241.8	241.4	242.6
53.5°	237.7	237.4	238.6	239.5	239.0	239.5	238.6	237.4	237.7	237.4	238.6
54°	233.9	233.1	234.3	235.3	235.0	235.3	234.3	233.1	233.9	233.1	234.3
54.5°	229.5	229.2	230.0	231.0	231.0	231.0	230.0	229.2	229.5	229.2	230.0
55°	225.7	225.0	226.2	227.1	226.7	227.1	226.2	225.0	225.7	225.0	226.2
55.5°	221.3	220.9	222.0	223.0	222.5	223.0	222.0	220.9	221.3	220.9	222.0
56°	217.3	216.8	217.9	218.7	218.4	218.7	217.9	216.8	217.3	216.8	217.9
56.5°	213.2	212.6	213.9	215.0	214.4	215.0	213.9	212.6	213.2	212.6	213.9
57°	209.2	208.5	209.8	210.7	210.0	210.7	209.8	208.5	209.2	208.5	209.8
57.5°	204.8	204.7	205.6	206.5	206.3	206.5	205.6	204.7	204.8	204.7	205.6
58°	201.0	200.5	201.3	202.3	202.2	202.3	201.3	200.5	201.0	200.5	201.3
58.5°	197.0	196.5	197.4	198.3	198.2	198.3	197.4	196.5	197.0	196.5	197.4
59°	192.8	192.5	193.2	194.3	193.6	194.3	193.2	192.5	192.8	192.5	193.2
59.5°	188.9	188.4	189.3	190.0	190.1	190.0	189.3	188.4	188.9	188.4	189.3
60°	184.7	184.4	185.2	186.2	185.7	186.2	185.2	184.4	184.7	184.4	185.2
60.5°	180.8	180.4	181.2	181.9	181.6	181.9	181.2	180.4	180.8	180.4	181.2
61°	176.7	176.5	177.3	178.0	177.8	178.0	177.3	176.5	176.7	176.5	177.3
61.5°	172.8	172.5	173.4	174.0	173.7	174.0	173.4	172.5	172.8	172.5	173.4
62°	168.8	168.7	169.3	170.1	169.8	170.1	169.3	168.7	168.8	168.7	169.3
62.5°	164.8	164.8	165.5	166.0	165.7	166.0	165.5	164.8	164.8	164.8	165.5
63°	160.8	160.8	161.5	162.0	161.7	162.0	161.5	160.8	160.8	160.8	161.5
63.5°	157.2	157.0	157.6	158.2	158.1	158.2	157.6	157.0	157.2	157.0	157.6
64°	153.3	153.1	153.7	154.3	154.1	154.3	153.7	153.1	153.3	153.1	153.7
64.5°	149.4	149.3	149.8	150.4	150.3	150.4	149.8	149.3	149.4	149.3	149.8
65°	145.6	145.6	146.0	146.6	146.3	146.6	146.0	145.6	145.6	145.6	146.0
65.5°	141.8	141.8	142.1	142.7	142.7	142.7	142.1	141.8	141.8	141.8	142.1
66°	137.9	138.0	138.4	138.8	138.9	138.8	138.4	138.0	137.9	138.0	138.4

TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	126.8	127.0	127.3	127.6	127.7	127.6	127.3	127.0	126.8	127.0	127.3
68°	123.2	123.4	123.7	124.1	123.9	124.1	123.7	123.4	123.2	123.4	123.7
68.5°	119.6	119.7	120.0	120.3	120.5	120.3	120.0	119.7	119.6	119.7	120.0
69°	116.2	116.1	116.5	116.8	116.7	116.8	116.5	116.1	116.2	116.1	116.5
69.5°	112.5	112.6	112.9	113.2	113.2	113.2	112.9	112.6	112.5	112.6	112.9
70°	109.1	109.0	109.3	109.6	109.6	109.6	109.3	109.0	109.1	109.0	109.3
70.5°	105.3	105.5	105.8	106.1	106.2	106.1	105.8	105.5	105.3	105.5	105.8
71°	101.9	102.1	102.4	102.6	102.6	102.6	102.4	102.1	101.9	102.1	102.4
71.5°	98.6	98.8	98.8	99.2	99.3	99.2	98.8	98.8	98.6	98.8	98.8
72°	95.2	95.3	95.5	95.8	95.8	95.8	95.5	95.3	95.2	95.3	95.5
72.5°	91.9	92.0	92.2	92.4	92.4	92.4	92.2	92.0	91.9	92.0	92.2
73°	88.5	88.8	88.9	89.2	89.1	89.2	88.9	88.8	88.5	88.8	88.9
73.5°	85.5	85.5	85.7	85.9	85.9	85.9	85.7	85.5	85.5	85.5	85.7
74°	82.1	82.3	82.5	82.7	82.6	82.7	82.5	82.3	82.1	82.3	82.5
74.5°	79.0	79.2	79.3	79.5	79.4	79.5	79.3	79.2	79.0	79.2	79.3
75°	75.9	76.0	76.3	76.5	76.3	76.5	76.3	76.0	75.9	76.0	76.3
75.5°	72.8	72.9	73.1	73.3	73.3	73.3	73.1	72.9	72.8	72.9	73.1
76°	69.8	69.8	70.0	70.1	70.1	70.1	70.0	69.8	69.8	69.8	70.0
76.5°	66.8	66.8	67.0	67.1	67.1	67.1	67.0	66.8	66.8	66.8	67.0
77°	63.9	63.8	64.0	64.2	64.0	64.2	64.0	63.8	63.9	63.8	64.0
77.5°	60.9	60.8	61.1	61.2	61.1	61.2	61.1	60.8	60.9	60.8	61.1
78°	58.2	58.0	58.2	58.2	58.2	58.2	58.2	58.0	58.2	58.0	58.2
78.5°	55.2	55.0	55.3	55.4	55.2	55.4	55.3	55.0	55.2	55.0	55.3
79°	52.3	52.2	52.4	52.6	52.4	52.6	52.4	52.2	52.3	52.2	52.4
79.5°	49.5	49.4	49.6	49.7	49.5	49.7	49.6	49.4	49.5	49.4	49.6
80°	46.7	46.6	46.8	46.8	46.7	46.8	46.8	46.6	46.7	46.6	46.8
80.5°	44.0	43.9	44.1	44.2	44.0	44.2	44.1	43.9	44.0	43.9	44.1
81°	41.2	41.2	41.3	41.4	41.3	41.4	41.3	41.2	41.2	41.2	41.3
81.5°	38.6	38.5	38.6	38.8	38.6	38.8	38.6	38.5	38.6	38.5	38.6
82°	36.0	35.9	36.0	36.1	35.9	36.1	36.0	35.9	36.0	35.9	36.0
82.5°	33.4	33.3	33.4	33.5	33.2	33.5	33.4	33.3	33.4	33.3	33.4
83°	30.8	30.8	30.8	31.0	30.8	31.0	30.8	30.8	30.8	30.8	30.8
83.5°	28.2	28.2	28.3	28.4	28.2	28.4	28.3	28.2	28.2	28.2	28.3
84°	25.8	25.7	25.8	25.9	25.7	25.9	25.8	25.7	25.8	25.7	25.8
84.5°	23.2	23.2	23.4	23.5	23.3	23.5	23.4	23.2	23.2	23.2	23.4
85°	20.8	20.8	20.9	21.0	20.8	21.0	20.9	20.8	20.8	20.8	20.9
85.5°	18.4	18.3	18.5	18.6	18.4	18.6	18.5	18.3	18.4	18.3	18.5
86°	16.0	16.0	16.1	16.2	16.1	16.2	16.1	16.0	16.0	16.0	16.1
86.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
87°	11.4	11.3	11.4	11.5	11.4	11.5	11.4	11.3	11.4	11.3	11.4
87.5°	9.1	9.1	9.1	9.2	9.1	9.2	9.1	9.1	9.1	9.1	9.1
88°	6.9	6.9	6.9	7.0	6.9	7.0	6.9	6.9	6.9	6.9	6.9
88.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



TEST NUMBER: P938676
CATALOG NUMBER: HLB6LSFS5-1200LM-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: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	400.7	400.7	400.7	400.7	400.7	400.7
0.5°	401.0	401.1	401.0	400.3	400.7	400.3
1°	400.8	401.1	400.8	400.5	400.9	400.0
1.5°	400.7	401.5	400.7	400.9	400.6	399.9
2°	401.1	401.1	401.1	400.8	400.7	400.3
2.5°	401.1	401.1	401.1	401.1	400.9	400.8
3°	401.1	402.0	401.1	401.0	400.9	401.1
3.5°	401.0	401.2	401.0	401.2	401.0	400.9
4°	401.3	401.9	401.3	401.3	401.0	400.8
4.5°	401.5	401.4	401.5	401.6	401.1	401.2
5°	401.7	402.3	401.7	401.6	401.3	401.3
5.5°	401.7	401.9	401.7	401.6	401.2	401.3
6°	401.8	402.0	401.8	401.5	401.5	401.3
6.5°	402.2	402.1	402.2	401.8	401.5	401.3
7°	402.1	402.1	402.1	401.9	401.8	401.7
7.5°	402.2	402.5	402.2	402.2	402.1	401.7
8°	402.0	402.5	402.0	402.4	402.0	402.2
8.5°	402.4	403.0	402.4	402.6	402.3	402.1
9°	402.8	403.0	402.8	402.8	402.1	402.7
9.5°	403.0	403.6	403.0	403.0	402.4	402.3
10°	403.0	403.7	403.0	403.1	402.7	402.7
10.5°	403.6	403.9	403.6	402.8	402.7	402.4
11°	403.5	403.7	403.5	403.5	403.0	402.8
11.5°	404.1	403.8	404.1	403.0	403.1	402.8
12°	403.7	404.0	403.7	403.5	403.2	403.2
12.5°	403.7	404.8	403.7	403.5	403.1	402.5
13°	403.8	404.3	403.8	403.7	403.6	403.4
13.5°	403.9	404.9	403.9	403.7	403.4	403.2
14°	404.5	404.6	404.5	403.9	403.5	403.3
14.5°	404.3	404.7	404.3	403.7	403.5	403.2
15°	404.5	404.5	404.5	403.8	403.3	402.7
15.5°	404.6	404.8	404.6	404.0	403.2	403.7
16°	404.1	404.8	404.1	404.0	403.2	403.2
16.5°	404.2	404.9	404.2	403.7	403.1	403.2
17°	404.3	404.8	404.3	403.7	403.2	403.0
17.5°	404.0	404.3	404.0	403.6	403.3	402.8
18°	403.9	404.7	403.9	403.3	402.8	402.4
18.5°	403.7	404.7	403.7	403.0	402.7	402.6
19°	403.7	403.8	403.7	403.3	402.3	402.2
19.5°	403.4	403.8	403.4	402.8	402.1	401.8
20°	403.1	403.5	403.1	402.3	401.9	401.3
20.5°	402.7	403.4	402.7	402.4	401.7	401.2
21°	402.4	403.4	402.4	401.8	401.1	400.6



TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	400.9	401.6	400.9	400.5	399.7	399.0
23°	400.6	400.8	400.6	399.8	398.9	398.6
23.5°	399.8	400.7	399.8	399.0	398.4	398.0
24°	398.9	399.5	398.9	398.0	397.4	397.2
24.5°	398.5	399.3	398.5	397.4	396.7	396.2
25°	397.3	398.3	397.3	396.8	395.8	395.8
25.5°	396.8	397.3	396.8	395.8	395.3	394.5
26°	395.8	395.8	395.8	394.9	394.1	393.8
26.5°	395.0	395.3	395.0	393.7	393.1	392.2
27°	393.7	394.1	393.7	392.8	392.0	391.4
27.5°	392.5	393.2	392.5	391.8	390.7	390.6
28°	391.2	391.8	391.2	390.6	389.4	389.1
28.5°	390.1	390.7	390.1	389.1	388.2	387.9
29°	388.9	388.9	388.9	387.7	386.8	386.1
29.5°	387.3	388.2	387.3	386.5	385.6	385.1
30°	385.7	386.2	385.7	385.0	383.9	383.2
30.5°	384.1	385.5	384.1	383.0	381.9	381.7
31°	382.6	383.3	382.6	381.8	380.6	380.2
31.5°	380.8	381.5	380.8	379.6	378.8	378.8
32°	379.1	379.4	379.1	378.0	377.0	376.7
32.5°	377.4	377.7	377.4	376.1	375.3	374.7
33°	374.9	375.7	374.9	374.1	373.3	372.9
33.5°	373.2	373.9	373.2	372.2	371.2	370.8
34°	371.2	371.5	371.2	370.1	368.9	368.4
34.5°	369.1	369.7	369.1	368.0	366.9	366.4
35°	366.8	367.0	366.8	365.7	364.4	364.4
35.5°	364.4	365.2	364.4	363.4	362.1	361.7
36°	361.9	362.6	361.9	360.9	358.9	359.5
36.5°	359.3	359.8	359.3	358.4	357.2	356.5
37°	356.8	357.5	356.8	355.9	354.2	354.3
37.5°	354.2	355.0	354.2	353.3	352.0	351.4
38°	351.5	351.9	351.5	350.1	348.9	348.7
38.5°	348.6	349.3	348.6	347.4	346.3	345.7
39°	345.9	346.4	345.9	344.6	343.4	343.0
39.5°	342.7	343.4	342.7	341.9	340.6	339.8
40°	340.0	340.0	340.0	338.7	337.5	337.0
40.5°	336.7	337.0	336.7	335.6	334.3	333.6
41°	333.4	334.2	333.4	332.4	331.3	330.8
41.5°	330.4	330.7	330.4	329.2	327.8	327.4
42°	327.2	327.3	327.2	326.0	325.0	324.4
42.5°	323.6	324.3	323.6	322.6	321.3	321.2
43°	320.3	320.5	320.3	319.3	318.1	317.7
43.5°	316.8	317.2	316.8	315.5	314.5	314.1

TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	305.9	306.4	305.9	305.2	303.8	303.5
45.5°	302.1	302.8	302.1	301.3	300.3	300.0
46°	298.8	299.0	298.8	297.7	296.5	296.5
46.5°	295.0	295.4	295.0	293.9	292.9	292.5
47°	291.2	291.4	291.2	290.1	288.8	288.7
47.5°	287.4	287.9	287.4	286.3	285.4	285.1
48°	283.3	283.5	283.3	282.3	281.4	281.0
48.5°	279.5	279.6	279.5	278.8	277.5	277.5
49°	275.7	276.1	275.7	274.7	273.6	273.1
49.5°	271.9	272.0	271.9	270.7	269.8	269.6
50°	267.7	267.7	267.7	266.6	265.8	265.4
50.5°	263.9	263.9	263.9	262.8	261.2	261.6
51°	259.7	259.7	259.7	258.5	257.5	257.7
51.5°	255.8	255.7	255.8	254.7	253.6	254.0
52°	251.7	251.6	251.7	250.6	249.3	250.1
52.5°	247.6	247.5	247.6	246.6	245.4	245.8
53°	243.4	243.2	243.4	242.6	241.4	241.8
53.5°	239.5	239.0	239.5	238.6	237.4	237.7
54°	235.3	235.0	235.3	234.3	233.1	233.9
54.5°	231.0	231.0	231.0	230.0	229.2	229.5
55°	227.1	226.7	227.1	226.2	225.0	225.7
55.5°	223.0	222.5	223.0	222.0	220.9	221.3
56°	218.7	218.4	218.7	217.9	216.8	217.3
56.5°	215.0	214.4	215.0	213.9	212.6	213.2
57°	210.7	210.0	210.7	209.8	208.5	209.2
57.5°	206.5	206.3	206.5	205.6	204.7	204.8
58°	202.3	202.2	202.3	201.3	200.5	201.0
58.5°	198.3	198.2	198.3	197.4	196.5	197.0
59°	194.3	193.6	194.3	193.2	192.5	192.8
59.5°	190.0	190.1	190.0	189.3	188.4	188.9
60°	186.2	185.7	186.2	185.2	184.4	184.7
60.5°	181.9	181.6	181.9	181.2	180.4	180.8
61°	178.0	177.8	178.0	177.3	176.5	176.7
61.5°	174.0	173.7	174.0	173.4	172.5	172.8
62°	170.1	169.8	170.1	169.3	168.7	168.8
62.5°	166.0	165.7	166.0	165.5	164.8	164.8
63°	162.0	161.7	162.0	161.5	160.8	160.8
63.5°	158.2	158.1	158.2	157.6	157.0	157.2
64°	154.3	154.1	154.3	153.7	153.1	153.3
64.5°	150.4	150.3	150.4	149.8	149.3	149.4
65°	146.6	146.3	146.6	146.0	145.6	145.6
65.5°	142.7	142.7	142.7	142.1	141.8	141.8
66°	138.8	138.9	138.8	138.4	138.0	137.9



TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	127.6	127.7	127.6	127.3	127.0	126.8
68°	124.1	123.9	124.1	123.7	123.4	123.2
68.5°	120.3	120.5	120.3	120.0	119.7	119.6
69°	116.8	116.7	116.8	116.5	116.1	116.2
69.5°	113.2	113.2	113.2	112.9	112.6	112.5
70°	109.6	109.6	109.6	109.3	109.0	109.1
70.5°	106.1	106.2	106.1	105.8	105.5	105.3
71°	102.6	102.6	102.6	102.4	102.1	101.9
71.5°	99.2	99.3	99.2	98.8	98.8	98.6
72°	95.8	95.8	95.8	95.5	95.3	95.2
72.5°	92.4	92.4	92.4	92.2	92.0	91.9
73°	89.2	89.1	89.2	88.9	88.8	88.5
73.5°	85.9	85.9	85.9	85.7	85.5	85.5
74°	82.7	82.6	82.7	82.5	82.3	82.1
74.5°	79.5	79.4	79.5	79.3	79.2	79.0
75°	76.5	76.3	76.5	76.3	76.0	75.9
75.5°	73.3	73.3	73.3	73.1	72.9	72.8
76°	70.1	70.1	70.1	70.0	69.8	69.8
76.5°	67.1	67.1	67.1	67.0	66.8	66.8
77°	64.2	64.0	64.2	64.0	63.8	63.9
77.5°	61.2	61.1	61.2	61.1	60.8	60.9
78°	58.2	58.2	58.2	58.2	58.0	58.2
78.5°	55.4	55.2	55.4	55.3	55.0	55.2
79°	52.6	52.4	52.6	52.4	52.2	52.3
79.5°	49.7	49.5	49.7	49.6	49.4	49.5
80°	46.8	46.7	46.8	46.8	46.6	46.7
80.5°	44.2	44.0	44.2	44.1	43.9	44.0
81°	41.4	41.3	41.4	41.3	41.2	41.2
81.5°	38.8	38.6	38.8	38.6	38.5	38.6
82°	36.1	35.9	36.1	36.0	35.9	36.0
82.5°	33.5	33.2	33.5	33.4	33.3	33.4
83°	31.0	30.8	31.0	30.8	30.8	30.8
83.5°	28.4	28.2	28.4	28.3	28.2	28.2
84°	25.9	25.7	25.9	25.8	25.7	25.8
84.5°	23.5	23.3	23.5	23.4	23.2	23.2
85°	21.0	20.8	21.0	20.9	20.8	20.8
85.5°	18.6	18.4	18.6	18.5	18.3	18.4
86°	16.2	16.1	16.2	16.1	16.0	16.0
86.5°	13.7	13.7	13.7	13.7	13.7	13.7
87°	11.5	11.4	11.5	11.4	11.3	11.4
87.5°	9.2	9.1	9.2	9.1	9.1	9.1
88°	7.0	6.9	7.0	6.9	6.9	6.9
88.5°	4.6	4.6	4.6	4.6	4.6	4.6



TEST NUMBER: P938676

CATALOG NUMBER: HLB6LSFS5-1200LM-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°	400.4	400.7	401.3	402.4	402.5	402.4	401.3	400.7	400.4	400.7	401.3
22°	399.6	400.0	400.6	401.4	402.3	401.4	400.6	400.0	399.6	400.0	400.6



44°	310.7	310.8	312.1	313.0	313.4	313.0	312.1	310.8	310.7	310.8	312.1
44.5°	306.9	307.5	308.6	309.6	310.0	309.6	308.6	307.5	306.9	307.5	308.6



66.5°	134.1	134.2	134.7	135.2	135.1	135.2	134.7	134.2	134.1	134.2	134.7
67°	130.4	130.6	130.9	131.5	131.4	131.5	130.9	130.6	130.4	130.6	130.9



89°	2.4	2.4	2.7	2.8	3.1	2.8	2.7	2.4	2.4	2.4	2.7
89.5°	1.4	1.4	1.6	1.5	1.6	1.5	1.6	1.4	1.4	1.4	1.6





21.5°	402.4	402.5	402.4	401.3	400.7	400.4
22°	401.4	402.3	401.4	400.6	400.0	399.6



44°	313.0	313.4	313.0	312.1	310.8	310.7
44.5°	309.6	310.0	309.6	308.6	307.5	306.9



66.5°	135.2	135.1	135.2	134.7	134.2	134.1
67°	131.5	131.4	131.5	130.9	130.6	130.4



89°	2.8	3.1	2.8	2.7	2.4	2.4
89.5°	1.5	1.6	1.5	1.6	1.4	1.4



(END OF REPORT)