

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: P938680

Luminaire Tested: HLB6LSFS5-1200LM-5000K

Issue Date: 1/15/2025

Test Information

Test Method: LM-79-2019
Report Number: P938680
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-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: 1280.0 lumens
Efficiency: N/A
Efficacy: 94.1 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

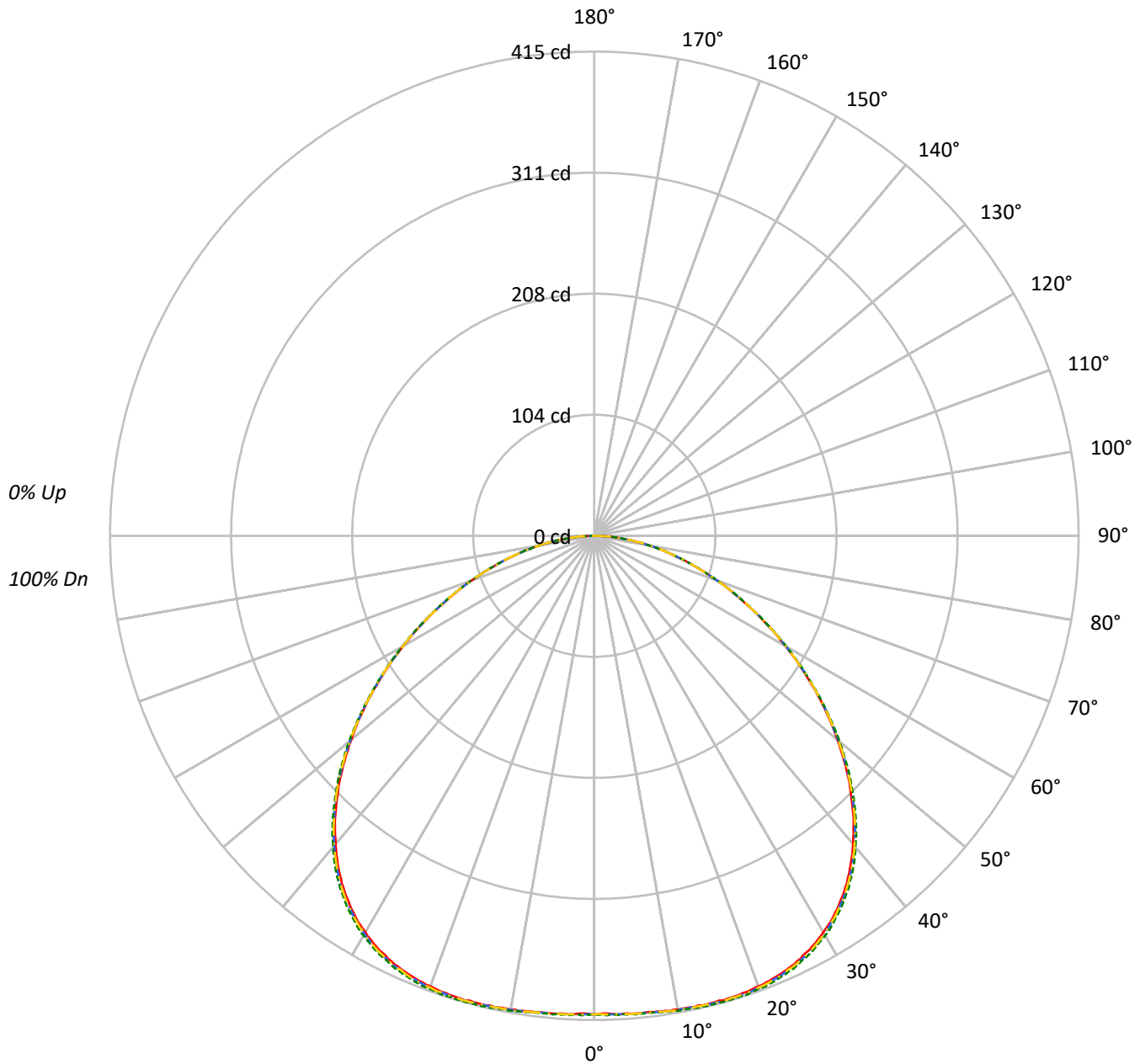
Input Watts (W): 13.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: HLB6LSFS5-1200LM-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					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°	22493	22493	22493	22493
5°	22617	22667	22617	22667
10°	22957	23007	22957	23007
15°	23405	23508	23405	23508
20°	23977	24100	23977	24100
25°	24516	24667	24516	24667
30°	24839	25035	24839	25035
35°	24969	25150	24969	25150
40°	24696	24918	24696	24918
45°	24096	24320	24096	24320
50°	23180	23385	23180	23385
55°	22097	22183	22097	22183
60°	20733	20854	20733	20854
65°	19341	19431	19341	19431
70°	17904	18000	17904	18000
75°	16458	16542	16458	16542
80°	15122	15122	15122	15122
85°	13398	13398	13398	13398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 24320 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	3.1
10°-20°	117.1	9.1
20°-30°	187.3	14.6
30°-40°	233.7	18.3
40°-50°	240.4	18.8
50°-60°	206.9	16.2
60°-70°	148.3	11.6
70°-80°	82.9	6.5
80°-90°	24.0	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°	343.7	26.9
0°-40°	577.4	45.1
0°-60°	1024.8	80.1
0°-90°	1280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	410	410	410	410	410	
5°	411	412	411	412	411	39
15°	412	414	412	414	412	117
25°	405	408	405	408	405	187
35°	373	376	373	376	373	233
45°	311	314	311	314	311	239
55°	231	232	231	232	231	206
65°	149	150	149	150	149	148
75°	78	78	78	78	78	83
85°	21	21	21	21	21	24
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°	410.3	410.3	410.3	410.3	410.3	410.3	410.3	410.3	410.3	410.3	410.3
0.5°	409.9	410.3	409.9	410.6	410.7	410.6	409.9	410.3	409.9	410.3	409.9
1°	409.6	410.5	410.1	410.4	410.7	410.4	410.1	410.5	409.6	410.5	410.1
1.5°	409.5	410.2	410.5	410.3	411.2	410.3	410.5	410.2	409.5	410.2	410.5
2°	409.9	410.3	410.4	410.7	410.7	410.7	410.4	410.3	409.9	410.3	410.4
2.5°	410.4	410.5	410.7	410.8	410.8	410.8	410.7	410.5	410.4	410.5	410.7
3°	410.8	410.5	410.6	410.7	411.6	410.7	410.6	410.5	410.8	410.5	410.6
3.5°	410.5	410.6	410.9	410.6	410.9	410.6	410.9	410.6	410.5	410.6	410.9
4°	410.4	410.6	411.0	411.0	411.5	411.0	411.0	410.6	410.4	410.6	411.0
4.5°	410.9	410.7	411.2	411.2	411.1	411.2	411.2	410.7	410.9	410.7	411.2
5°	411.0	411.0	411.2	411.3	411.9	411.3	411.2	411.0	411.0	411.0	411.2
5.5°	411.0	410.9	411.2	411.3	411.5	411.3	411.2	410.9	411.0	410.9	411.2
6°	411.0	411.2	411.2	411.4	411.6	411.4	411.2	411.2	411.0	411.2	411.2
6.5°	411.0	411.2	411.4	411.8	411.7	411.8	411.4	411.2	411.0	411.2	411.4
7°	411.3	411.4	411.5	411.7	411.7	411.7	411.5	411.4	411.3	411.4	411.5
7.5°	411.3	411.7	411.8	411.8	412.2	411.8	411.8	411.7	411.3	411.7	411.8
8°	411.8	411.6	412.0	411.6	412.2	411.6	412.0	411.6	411.8	411.6	412.0
8.5°	411.7	411.9	412.3	412.1	412.7	412.1	412.3	411.9	411.7	411.9	412.3
9°	412.4	411.7	412.5	412.5	412.7	412.5	412.5	411.7	412.4	411.7	412.5
9.5°	411.9	412.1	412.7	412.7	413.2	412.7	412.7	412.1	411.9	412.1	412.7
10°	412.4	412.4	412.8	412.7	413.3	412.7	412.8	412.4	412.4	412.4	412.8
10.5°	412.1	412.4	412.5	413.2	413.6	413.2	412.5	412.4	412.1	412.4	412.5
11°	412.5	412.7	413.1	413.1	413.4	413.1	413.1	412.7	412.5	412.7	413.1
11.5°	412.5	412.8	412.7	413.8	413.5	413.8	412.7	412.8	412.5	412.8	412.7
12°	412.9	412.9	413.1	413.3	413.7	413.3	413.1	412.9	412.9	412.9	413.1
12.5°	412.2	412.8	413.1	413.4	414.5	413.4	413.1	412.8	412.2	412.8	413.1
13°	413.1	413.2	413.4	413.5	414.0	413.5	413.4	413.2	413.1	413.2	413.4
13.5°	412.9	413.1	413.3	413.6	414.6	413.6	413.3	413.1	412.9	413.1	413.3
14°	413.0	413.1	413.6	414.2	414.3	414.2	413.6	413.1	413.0	413.1	413.6
14.5°	412.9	413.1	413.4	414.0	414.4	414.0	413.4	413.1	412.9	413.1	413.4
15°	412.4	413.0	413.5	414.2	414.2	414.2	413.5	413.0	412.4	413.0	413.5
15.5°	413.4	412.9	413.7	414.3	414.5	414.3	413.7	412.9	413.4	412.9	413.7
16°	412.9	412.9	413.7	413.8	414.5	413.8	413.7	412.9	412.9	412.9	413.7
16.5°	412.9	412.8	413.3	413.9	414.6	413.9	413.3	412.8	412.9	412.8	413.3
17°	412.7	412.9	413.3	414.0	414.5	414.0	413.3	412.9	412.7	412.9	413.3
17.5°	412.5	413.0	413.2	413.7	414.0	413.7	413.2	413.0	412.5	413.0	413.2
18°	412.1	412.5	413.0	413.6	414.4	413.6	413.0	412.5	412.1	412.5	413.0
18.5°	412.3	412.4	412.7	413.4	414.4	413.4	412.7	412.4	412.3	412.4	412.7
19°	411.8	411.9	413.0	413.4	413.5	413.4	413.0	411.9	411.8	411.9	413.0
19.5°	411.4	411.7	412.5	413.1	413.5	413.1	412.5	411.7	411.4	411.7	412.5
20°	411.0	411.5	411.9	412.8	413.1	412.8	411.9	411.5	411.0	411.5	411.9
20.5°	410.9	411.3	412.0	412.4	413.1	412.4	412.0	411.3	410.9	411.3	412.0
21°	410.2	410.8	411.4	412.1	413.1	412.1	411.4	410.8	410.2	410.8	411.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	408.6	409.2	410.1	410.5	411.2	410.5	410.1	409.2	408.6	409.2	410.1
23°	408.2	408.5	409.3	410.2	410.4	410.2	409.3	408.5	408.2	408.5	409.3
23.5°	407.5	407.9	408.6	409.4	410.3	409.4	408.6	407.9	407.5	407.9	408.6
24°	406.8	407.0	407.5	408.5	409.1	408.5	407.5	407.0	406.8	407.0	407.5
24.5°	405.7	406.2	407.0	408.1	408.9	408.1	407.0	406.2	405.7	406.2	407.0
25°	405.3	405.3	406.3	406.9	407.8	406.9	406.3	405.3	405.3	405.3	406.3
25.5°	403.9	404.8	405.3	406.3	406.9	406.3	405.3	404.8	403.9	404.8	405.3
26°	403.3	403.5	404.4	405.3	405.3	405.3	404.4	403.5	403.3	403.5	404.4
26.5°	401.6	402.5	403.2	404.5	404.8	404.5	403.2	402.5	401.6	402.5	403.2
27°	400.8	401.4	402.2	403.2	403.5	403.2	402.2	401.4	400.8	401.4	402.2
27.5°	400.0	400.1	401.2	401.9	402.7	401.9	401.2	400.1	400.0	400.1	401.2
28°	398.4	398.8	399.9	400.6	401.2	400.6	399.9	398.8	398.4	398.8	399.9
28.5°	397.2	397.5	398.4	399.5	400.1	399.5	398.4	397.5	397.2	397.5	398.4
29°	395.4	396.1	397.0	398.2	398.2	398.2	397.0	396.1	395.4	396.1	397.0
29.5°	394.3	394.9	395.7	396.6	397.5	396.6	395.7	394.9	394.3	394.9	395.7
30°	392.4	393.1	394.2	395.0	395.5	395.0	394.2	393.1	392.4	393.1	394.2
30.5°	390.9	391.1	392.2	393.4	394.8	393.4	392.2	391.1	390.9	391.1	392.2
31°	389.4	389.7	391.0	391.7	392.5	391.7	391.0	389.7	389.4	389.7	391.0
31.5°	387.8	387.8	388.7	389.9	390.7	389.9	388.7	387.8	387.8	387.8	388.7
32°	385.8	386.0	387.1	388.2	388.5	388.2	387.1	386.0	385.8	386.0	387.1
32.5°	383.7	384.3	385.1	386.4	386.8	386.4	385.1	384.3	383.7	384.3	385.1
33°	381.9	382.2	383.1	383.9	384.7	383.9	383.1	382.2	381.9	382.2	383.1
33.5°	379.7	380.1	381.1	382.1	382.9	382.1	381.1	380.1	379.7	380.1	381.1
34°	377.3	377.8	379.0	380.1	380.4	380.1	379.0	377.8	377.3	377.8	379.0
34.5°	375.2	375.7	376.8	378.0	378.5	378.0	376.8	375.7	375.2	375.7	376.8
35°	373.1	373.1	374.4	375.6	375.8	375.6	374.4	373.1	373.1	373.1	374.4
35.5°	370.3	370.8	372.1	373.1	374.0	373.1	372.1	370.8	370.3	370.8	372.1
36°	368.2	367.5	369.6	370.6	371.3	370.6	369.6	367.5	368.2	367.5	369.6
36.5°	365.0	365.8	367.0	368.0	368.4	368.0	367.0	365.8	365.0	365.8	367.0
37°	362.8	362.7	364.4	365.4	366.1	365.4	364.4	362.7	362.8	362.7	364.4
37.5°	359.9	360.4	361.8	362.7	363.5	362.7	361.8	360.4	359.9	360.4	361.8
38°	357.0	357.3	358.5	360.0	360.4	360.0	358.5	357.3	357.0	357.3	358.5
38.5°	354.0	354.6	355.8	356.9	357.7	356.9	355.8	354.6	354.0	354.6	355.8
39°	351.2	351.6	352.8	354.2	354.7	354.2	352.8	351.6	351.2	351.6	352.8
39.5°	348.0	348.7	350.1	350.9	351.6	350.9	350.1	348.7	348.0	348.7	350.1
40°	345.1	345.6	346.8	348.2	348.2	348.2	346.8	345.6	345.1	345.6	346.8
40.5°	341.6	342.3	343.7	344.8	345.1	344.8	343.7	342.3	341.6	342.3	343.7
41°	338.8	339.2	340.4	341.4	342.2	341.4	340.4	339.2	338.8	339.2	340.4
41.5°	335.2	335.7	337.1	338.3	338.7	338.3	337.1	335.7	335.2	335.7	337.1
42°	332.2	332.8	333.8	335.0	335.1	335.0	333.8	332.8	332.2	332.8	333.8
42.5°	328.9	329.1	330.4	331.3	332.1	331.3	330.4	329.1	328.9	329.1	330.4
43°	325.3	325.7	327.0	328.0	328.2	328.0	327.0	325.7	325.3	325.7	327.0
43.5°	321.6	322.0	323.1	324.4	324.8	324.4	323.1	322.0	321.6	322.0	323.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	310.8	311.1	312.5	313.3	313.7	313.3	312.5	311.1	310.8	311.1	312.5
45.5°	307.2	307.6	308.5	309.4	310.0	309.4	308.5	307.6	307.2	307.6	308.5
46°	303.7	303.7	304.8	305.9	306.1	305.9	304.8	303.7	303.7	303.7	304.8
46.5°	299.6	299.9	301.0	302.0	302.5	302.0	301.0	299.9	299.6	299.9	301.0
47°	295.7	295.8	297.1	298.2	298.4	298.2	297.1	295.8	295.7	295.8	297.1
47.5°	292.0	292.2	293.2	294.3	294.8	294.3	293.2	292.2	292.0	292.2	293.2
48°	287.8	288.1	289.1	290.1	290.3	290.1	289.1	288.1	287.8	288.1	289.1
48.5°	284.2	284.2	285.5	286.2	286.3	286.2	285.5	284.2	284.2	284.2	285.5
49°	279.7	280.2	281.3	282.3	282.7	282.3	281.3	280.2	279.7	280.2	281.3
49.5°	276.1	276.3	277.2	278.4	278.5	278.4	277.2	276.3	276.1	276.3	277.2
50°	271.8	272.2	273.0	274.2	274.2	274.2	273.0	272.2	271.8	272.2	273.0
50.5°	267.9	267.5	269.1	270.3	270.3	270.3	269.1	267.5	267.9	267.5	269.1
51°	263.9	263.7	264.7	266.0	266.0	266.0	264.7	263.7	263.9	263.7	264.7
51.5°	260.1	259.7	260.8	262.0	261.8	262.0	260.8	259.7	260.1	259.7	260.8
52°	256.1	255.3	256.6	257.7	257.6	257.7	256.6	255.3	256.1	255.3	256.6
52.5°	251.7	251.3	252.5	253.5	253.4	253.5	252.5	251.3	251.7	251.3	252.5
53°	247.6	247.2	248.4	249.2	249.1	249.2	248.4	247.2	247.6	247.2	248.4
53.5°	243.4	243.1	244.3	245.2	244.8	245.2	244.3	243.1	243.4	243.1	244.3
54°	239.5	238.7	239.9	241.0	240.7	241.0	239.9	238.7	239.5	238.7	239.9
54.5°	235.0	234.7	235.5	236.6	236.6	236.6	235.5	234.7	235.0	234.7	235.5
55°	231.2	230.4	231.6	232.6	232.1	232.6	231.6	230.4	231.2	230.4	231.6
55.5°	226.6	226.2	227.4	228.3	227.8	228.3	227.4	226.2	226.6	226.2	227.4
56°	222.5	222.0	223.1	223.9	223.7	223.9	223.1	222.0	222.5	222.0	223.1
56.5°	218.3	217.8	219.0	220.1	219.6	220.1	219.0	217.8	218.3	217.8	219.0
57°	214.2	213.5	214.8	215.8	215.1	215.8	214.8	213.5	214.2	213.5	214.8
57.5°	209.8	209.6	210.5	211.5	211.3	211.5	210.5	209.6	209.8	209.6	210.5
58°	205.9	205.3	206.1	207.2	207.0	207.2	206.1	205.3	205.9	205.3	206.1
58.5°	201.8	201.2	202.2	203.1	202.9	203.1	202.2	201.2	201.8	201.2	202.2
59°	197.4	197.1	197.9	198.9	198.3	198.9	197.9	197.1	197.4	197.1	197.9
59.5°	193.4	192.9	193.9	194.5	194.6	194.5	193.9	192.9	193.4	192.9	193.9
60°	189.1	188.8	189.7	190.6	190.2	190.6	189.7	188.8	189.1	188.8	189.7
60.5°	185.1	184.7	185.6	186.3	186.0	186.3	185.6	184.7	185.1	184.7	185.6
61°	180.9	180.7	181.6	182.3	182.1	182.3	181.6	180.7	180.9	180.7	181.6
61.5°	176.9	176.7	177.5	178.2	177.9	178.2	177.5	176.7	176.9	176.7	177.5
62°	172.9	172.8	173.3	174.2	173.9	174.2	173.3	172.8	172.9	172.8	173.3
62.5°	168.8	168.8	169.4	170.0	169.7	170.0	169.4	168.8	168.8	168.8	169.4
63°	164.7	164.7	165.3	165.9	165.6	165.9	165.3	164.7	164.7	164.7	165.3
63.5°	161.0	160.8	161.3	162.0	161.9	162.0	161.3	160.8	161.0	160.8	161.3
64°	157.0	156.8	157.3	158.0	157.8	158.0	157.3	156.8	157.0	156.8	157.3
64.5°	153.0	152.9	153.4	154.0	153.9	154.0	153.4	152.9	153.0	152.9	153.4
65°	149.1	149.1	149.5	150.1	149.8	150.1	149.5	149.1	149.1	149.1	149.5
65.5°	145.2	145.2	145.5	146.1	146.1	146.1	145.5	145.2	145.2	145.2	145.5
66°	141.2	141.3	141.7	142.1	142.2	142.1	141.7	141.3	141.2	141.3	141.7



TEST NUMBER: P938680

CATALOG NUMBER: HLB6LSFS5-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	129.9	130.0	130.3	130.7	130.8	130.7	130.3	130.0	129.9	130.0	130.3
68°	126.1	126.3	126.6	127.1	126.9	127.1	126.6	126.3	126.1	126.3	126.6
68.5°	122.4	122.5	122.9	123.2	123.4	123.2	122.9	122.5	122.4	122.5	122.9
69°	119.0	118.9	119.3	119.6	119.5	119.6	119.3	118.9	119.0	118.9	119.3
69.5°	115.2	115.3	115.6	115.9	115.9	115.9	115.6	115.3	115.2	115.3	115.6
70°	111.7	111.6	112.0	112.3	112.3	112.3	112.0	111.6	111.7	111.6	112.0
70.5°	107.9	108.1	108.4	108.6	108.7	108.6	108.4	108.1	107.9	108.1	108.4
71°	104.4	104.5	104.8	105.0	105.0	105.0	104.8	104.5	104.4	104.5	104.8
71.5°	100.9	101.1	101.2	101.6	101.7	101.6	101.2	101.1	100.9	101.1	101.2
72°	97.5	97.6	97.8	98.1	98.1	98.1	97.8	97.6	97.5	97.6	97.8
72.5°	94.1	94.2	94.4	94.7	94.7	94.7	94.4	94.2	94.1	94.2	94.4
73°	90.7	90.9	91.0	91.3	91.2	91.3	91.0	90.9	90.7	90.9	91.0
73.5°	87.5	87.5	87.7	88.0	88.0	88.0	87.7	87.5	87.5	87.5	87.7
74°	84.1	84.3	84.5	84.7	84.6	84.7	84.5	84.3	84.1	84.3	84.5
74.5°	80.9	81.1	81.2	81.4	81.3	81.4	81.2	81.1	80.9	81.1	81.2
75°	77.7	77.8	78.1	78.3	78.1	78.3	78.1	77.8	77.7	77.8	78.1
75.5°	74.6	74.7	74.9	75.1	75.1	75.1	74.9	74.7	74.6	74.7	74.9
76°	71.4	71.4	71.6	71.8	71.8	71.8	71.6	71.4	71.4	71.4	71.6
76.5°	68.4	68.4	68.6	68.7	68.7	68.7	68.6	68.4	68.4	68.4	68.6
77°	65.4	65.4	65.5	65.7	65.5	65.7	65.5	65.4	65.4	65.4	65.5
77.5°	62.4	62.3	62.6	62.7	62.6	62.7	62.6	62.3	62.4	62.3	62.6
78°	59.6	59.4	59.6	59.6	59.6	59.6	59.6	59.4	59.6	59.4	59.6
78.5°	56.5	56.3	56.6	56.7	56.5	56.7	56.6	56.3	56.5	56.3	56.6
79°	53.6	53.5	53.7	53.8	53.7	53.8	53.7	53.5	53.6	53.5	53.7
79.5°	50.7	50.6	50.8	50.9	50.7	50.9	50.8	50.6	50.7	50.6	50.8
80°	47.9	47.8	47.9	47.9	47.9	47.9	47.9	47.8	47.9	47.8	47.9
80.5°	45.1	45.0	45.2	45.3	45.1	45.3	45.2	45.0	45.1	45.0	45.2
81°	42.2	42.2	42.3	42.4	42.3	42.4	42.3	42.2	42.2	42.2	42.3
81.5°	39.5	39.4	39.6	39.8	39.6	39.8	39.6	39.4	39.5	39.4	39.6
82°	36.8	36.7	36.8	37.0	36.7	37.0	36.8	36.7	36.8	36.7	36.8
82.5°	34.2	34.1	34.2	34.3	34.0	34.3	34.2	34.1	34.2	34.1	34.2
83°	31.5	31.5	31.6	31.8	31.5	31.8	31.6	31.5	31.5	31.5	31.6
83.5°	28.9	28.9	29.0	29.1	28.9	29.1	29.0	28.9	28.9	28.9	29.0
84°	26.4	26.4	26.4	26.5	26.4	26.5	26.4	26.4	26.4	26.4	26.4
84.5°	23.8	23.8	24.0	24.1	23.9	24.1	24.0	23.8	23.8	23.8	24.0
85°	21.3	21.3	21.4	21.5	21.3	21.5	21.4	21.3	21.3	21.3	21.4
85.5°	18.8	18.7	18.9	19.0	18.8	19.0	18.9	18.7	18.8	18.7	18.9
86°	16.4	16.4	16.5	16.6	16.5	16.6	16.5	16.4	16.4	16.4	16.5
86.5°	14.0	14.0	14.1	14.1	14.0	14.1	14.1	14.0	14.0	14.0	14.1
87°	11.7	11.6	11.7	11.8	11.7	11.8	11.7	11.6	11.7	11.6	11.7
87.5°	9.3	9.3	9.3	9.4	9.3	9.4	9.3	9.3	9.3	9.3	9.3
88°	7.0	7.0	7.0	7.1	7.0	7.1	7.0	7.0	7.0	7.0	7.0
88.5°	4.8	4.7	4.7	4.8	4.8	4.8	4.7	4.7	4.8	4.7	4.7



TEST NUMBER: P938680
CATALOG NUMBER: HLB6LSFS5-1200LM-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: P938680

CATALOG NUMBER: HLB6LSFS5-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	410.3	410.3	410.3	410.3	410.3	410.3
0.5°	410.6	410.7	410.6	409.9	410.3	409.9
1°	410.4	410.7	410.4	410.1	410.5	409.6
1.5°	410.3	411.2	410.3	410.5	410.2	409.5
2°	410.7	410.7	410.7	410.4	410.3	409.9
2.5°	410.8	410.8	410.8	410.7	410.5	410.4
3°	410.7	411.6	410.7	410.6	410.5	410.8
3.5°	410.6	410.9	410.6	410.9	410.6	410.5
4°	411.0	411.5	411.0	411.0	410.6	410.4
4.5°	411.2	411.1	411.2	411.2	410.7	410.9
5°	411.3	411.9	411.3	411.2	411.0	411.0
5.5°	411.3	411.5	411.3	411.2	410.9	411.0
6°	411.4	411.6	411.4	411.2	411.2	411.0
6.5°	411.8	411.7	411.8	411.4	411.2	411.0
7°	411.7	411.7	411.7	411.5	411.4	411.3
7.5°	411.8	412.2	411.8	411.8	411.7	411.3
8°	411.6	412.2	411.6	412.0	411.6	411.8
8.5°	412.1	412.7	412.1	412.3	411.9	411.7
9°	412.5	412.7	412.5	412.5	411.7	412.4
9.5°	412.7	413.2	412.7	412.7	412.1	411.9
10°	412.7	413.3	412.7	412.8	412.4	412.4
10.5°	413.2	413.6	413.2	412.5	412.4	412.1
11°	413.1	413.4	413.1	413.1	412.7	412.5
11.5°	413.8	413.5	413.8	412.7	412.8	412.5
12°	413.3	413.7	413.3	413.1	412.9	412.9
12.5°	413.4	414.5	413.4	413.1	412.8	412.2
13°	413.5	414.0	413.5	413.4	413.2	413.1
13.5°	413.6	414.6	413.6	413.3	413.1	412.9
14°	414.2	414.3	414.2	413.6	413.1	413.0
14.5°	414.0	414.4	414.0	413.4	413.1	412.9
15°	414.2	414.2	414.2	413.5	413.0	412.4
15.5°	414.3	414.5	414.3	413.7	412.9	413.4
16°	413.8	414.5	413.8	413.7	412.9	412.9
16.5°	413.9	414.6	413.9	413.3	412.8	412.9
17°	414.0	414.5	414.0	413.3	412.9	412.7
17.5°	413.7	414.0	413.7	413.2	413.0	412.5
18°	413.6	414.4	413.6	413.0	412.5	412.1
18.5°	413.4	414.4	413.4	412.7	412.4	412.3
19°	413.4	413.5	413.4	413.0	411.9	411.8
19.5°	413.1	413.5	413.1	412.5	411.7	411.4
20°	412.8	413.1	412.8	411.9	411.5	411.0
20.5°	412.4	413.1	412.4	412.0	411.3	410.9
21°	412.1	413.1	412.1	411.4	410.8	410.2



TEST NUMBER: P938680

CATALOG NUMBER: HLB6LSFS5-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	410.5	411.2	410.5	410.1	409.2	408.6
23°	410.2	410.4	410.2	409.3	408.5	408.2
23.5°	409.4	410.3	409.4	408.6	407.9	407.5
24°	408.5	409.1	408.5	407.5	407.0	406.8
24.5°	408.1	408.9	408.1	407.0	406.2	405.7
25°	406.9	407.8	406.9	406.3	405.3	405.3
25.5°	406.3	406.9	406.3	405.3	404.8	403.9
26°	405.3	405.3	405.3	404.4	403.5	403.3
26.5°	404.5	404.8	404.5	403.2	402.5	401.6
27°	403.2	403.5	403.2	402.2	401.4	400.8
27.5°	401.9	402.7	401.9	401.2	400.1	400.0
28°	400.6	401.2	400.6	399.9	398.8	398.4
28.5°	399.5	400.1	399.5	398.4	397.5	397.2
29°	398.2	398.2	398.2	397.0	396.1	395.4
29.5°	396.6	397.5	396.6	395.7	394.9	394.3
30°	395.0	395.5	395.0	394.2	393.1	392.4
30.5°	393.4	394.8	393.4	392.2	391.1	390.9
31°	391.7	392.5	391.7	391.0	389.7	389.4
31.5°	389.9	390.7	389.9	388.7	387.8	387.8
32°	388.2	388.5	388.2	387.1	386.0	385.8
32.5°	386.4	386.8	386.4	385.1	384.3	383.7
33°	383.9	384.7	383.9	383.1	382.2	381.9
33.5°	382.1	382.9	382.1	381.1	380.1	379.7
34°	380.1	380.4	380.1	379.0	377.8	377.3
34.5°	378.0	378.5	378.0	376.8	375.7	375.2
35°	375.6	375.8	375.6	374.4	373.1	373.1
35.5°	373.1	374.0	373.1	372.1	370.8	370.3
36°	370.6	371.3	370.6	369.6	367.5	368.2
36.5°	368.0	368.4	368.0	367.0	365.8	365.0
37°	365.4	366.1	365.4	364.4	362.7	362.8
37.5°	362.7	363.5	362.7	361.8	360.4	359.9
38°	360.0	360.4	360.0	358.5	357.3	357.0
38.5°	356.9	357.7	356.9	355.8	354.6	354.0
39°	354.2	354.7	354.2	352.8	351.6	351.2
39.5°	350.9	351.6	350.9	350.1	348.7	348.0
40°	348.2	348.2	348.2	346.8	345.6	345.1
40.5°	344.8	345.1	344.8	343.7	342.3	341.6
41°	341.4	342.2	341.4	340.4	339.2	338.8
41.5°	338.3	338.7	338.3	337.1	335.7	335.2
42°	335.0	335.1	335.0	333.8	332.8	332.2
42.5°	331.3	332.1	331.3	330.4	329.1	328.9
43°	328.0	328.2	328.0	327.0	325.7	325.3
43.5°	324.4	324.8	324.4	323.1	322.0	321.6



TEST NUMBER: P938680

CATALOG NUMBER: HLB6LSFS5-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	313.3	313.7	313.3	312.5	311.1	310.8
45.5°	309.4	310.0	309.4	308.5	307.6	307.2
46°	305.9	306.1	305.9	304.8	303.7	303.7
46.5°	302.0	302.5	302.0	301.0	299.9	299.6
47°	298.2	298.4	298.2	297.1	295.8	295.7
47.5°	294.3	294.8	294.3	293.2	292.2	292.0
48°	290.1	290.3	290.1	289.1	288.1	287.8
48.5°	286.2	286.3	286.2	285.5	284.2	284.2
49°	282.3	282.7	282.3	281.3	280.2	279.7
49.5°	278.4	278.5	278.4	277.2	276.3	276.1
50°	274.2	274.2	274.2	273.0	272.2	271.8
50.5°	270.3	270.3	270.3	269.1	267.5	267.9
51°	266.0	266.0	266.0	264.7	263.7	263.9
51.5°	262.0	261.8	262.0	260.8	259.7	260.1
52°	257.7	257.6	257.7	256.6	255.3	256.1
52.5°	253.5	253.4	253.5	252.5	251.3	251.7
53°	249.2	249.1	249.2	248.4	247.2	247.6
53.5°	245.2	244.8	245.2	244.3	243.1	243.4
54°	241.0	240.7	241.0	239.9	238.7	239.5
54.5°	236.6	236.6	236.6	235.5	234.7	235.0
55°	232.6	232.1	232.6	231.6	230.4	231.2
55.5°	228.3	227.8	228.3	227.4	226.2	226.6
56°	223.9	223.7	223.9	223.1	222.0	222.5
56.5°	220.1	219.6	220.1	219.0	217.8	218.3
57°	215.8	215.1	215.8	214.8	213.5	214.2
57.5°	211.5	211.3	211.5	210.5	209.6	209.8
58°	207.2	207.0	207.2	206.1	205.3	205.9
58.5°	203.1	202.9	203.1	202.2	201.2	201.8
59°	198.9	198.3	198.9	197.9	197.1	197.4
59.5°	194.5	194.6	194.5	193.9	192.9	193.4
60°	190.6	190.2	190.6	189.7	188.8	189.1
60.5°	186.3	186.0	186.3	185.6	184.7	185.1
61°	182.3	182.1	182.3	181.6	180.7	180.9
61.5°	178.2	177.9	178.2	177.5	176.7	176.9
62°	174.2	173.9	174.2	173.3	172.8	172.9
62.5°	170.0	169.7	170.0	169.4	168.8	168.8
63°	165.9	165.6	165.9	165.3	164.7	164.7
63.5°	162.0	161.9	162.0	161.3	160.8	161.0
64°	158.0	157.8	158.0	157.3	156.8	157.0
64.5°	154.0	153.9	154.0	153.4	152.9	153.0
65°	150.1	149.8	150.1	149.5	149.1	149.1
65.5°	146.1	146.1	146.1	145.5	145.2	145.2
66°	142.1	142.2	142.1	141.7	141.3	141.2



TEST NUMBER: P938680

CATALOG NUMBER: HLB6LSFS5-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	130.7	130.8	130.7	130.3	130.0	129.9
68°	127.1	126.9	127.1	126.6	126.3	126.1
68.5°	123.2	123.4	123.2	122.9	122.5	122.4
69°	119.6	119.5	119.6	119.3	118.9	119.0
69.5°	115.9	115.9	115.9	115.6	115.3	115.2
70°	112.3	112.3	112.3	112.0	111.6	111.7
70.5°	108.6	108.7	108.6	108.4	108.1	107.9
71°	105.0	105.0	105.0	104.8	104.5	104.4
71.5°	101.6	101.7	101.6	101.2	101.1	100.9
72°	98.1	98.1	98.1	97.8	97.6	97.5
72.5°	94.7	94.7	94.7	94.4	94.2	94.1
73°	91.3	91.2	91.3	91.0	90.9	90.7
73.5°	88.0	88.0	88.0	87.7	87.5	87.5
74°	84.7	84.6	84.7	84.5	84.3	84.1
74.5°	81.4	81.3	81.4	81.2	81.1	80.9
75°	78.3	78.1	78.3	78.1	77.8	77.7
75.5°	75.1	75.1	75.1	74.9	74.7	74.6
76°	71.8	71.8	71.8	71.6	71.4	71.4
76.5°	68.7	68.7	68.7	68.6	68.4	68.4
77°	65.7	65.5	65.7	65.5	65.4	65.4
77.5°	62.7	62.6	62.7	62.6	62.3	62.4
78°	59.6	59.6	59.6	59.6	59.4	59.6
78.5°	56.7	56.5	56.7	56.6	56.3	56.5
79°	53.8	53.7	53.8	53.7	53.5	53.6
79.5°	50.9	50.7	50.9	50.8	50.6	50.7
80°	47.9	47.9	47.9	47.9	47.8	47.9
80.5°	45.3	45.1	45.3	45.2	45.0	45.1
81°	42.4	42.3	42.4	42.3	42.2	42.2
81.5°	39.8	39.6	39.8	39.6	39.4	39.5
82°	37.0	36.7	37.0	36.8	36.7	36.8
82.5°	34.3	34.0	34.3	34.2	34.1	34.2
83°	31.8	31.5	31.8	31.6	31.5	31.5
83.5°	29.1	28.9	29.1	29.0	28.9	28.9
84°	26.5	26.4	26.5	26.4	26.4	26.4
84.5°	24.1	23.9	24.1	24.0	23.8	23.8
85°	21.5	21.3	21.5	21.4	21.3	21.3
85.5°	19.0	18.8	19.0	18.9	18.7	18.8
86°	16.6	16.5	16.6	16.5	16.4	16.4
86.5°	14.1	14.0	14.1	14.1	14.0	14.0
87°	11.8	11.7	11.8	11.7	11.6	11.7
87.5°	9.4	9.3	9.4	9.3	9.3	9.3
88°	7.1	7.0	7.1	7.0	7.0	7.0
88.5°	4.8	4.8	4.8	4.7	4.7	4.8



TEST NUMBER: P938680

CATALOG NUMBER: HLB6LSFS5-1200LM-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°	410.0	410.3	411.0	412.1	412.2	412.1	411.0	410.3	410.0	410.3	411.0
22°	409.2	409.6	410.2	411.1	411.9	411.1	410.2	409.6	409.2	409.6	410.2



44°	318.1	318.3	319.6	320.5	321.0	320.5	319.6	318.3	318.1	318.3	319.6
44.5°	314.3	314.9	316.0	317.1	317.4	317.1	316.0	314.9	314.3	314.9	316.0



66.5°	137.3	137.5	137.9	138.4	138.3	138.4	137.9	137.5	137.3	137.5	137.9
67°	133.6	133.8	134.0	134.6	134.5	134.6	134.0	133.8	133.6	133.8	134.0



89°	2.5	2.5	2.8	2.9	3.1	2.9	2.8	2.5	2.5	2.5	2.8
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°	412.1	412.2	412.1	411.0	410.3	410.0
22°	411.1	411.9	411.1	410.2	409.6	409.2



44°	320.5	321.0	320.5	319.6	318.3	318.1
44.5°	317.1	317.4	317.1	316.0	314.9	314.3



66.5°	138.4	138.3	138.4	137.9	137.5	137.3
67°	134.6	134.5	134.6	134.0	133.8	133.6



89°	2.9	3.1	2.9	2.8	2.5	2.5
89.5°	1.5	1.6	1.5	1.6	1.4	1.4



(END OF REPORT)