

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: P1504208

Luminaire Tested: JBD4FS5-2700K

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2019
Report Number: P1504208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603499A001)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: JBD4FS5-2700K
Description: Slim 4" Surface Mount downlight 700 Lumens at 2700K

Light Source:
Ballast/Driver: -

Summary

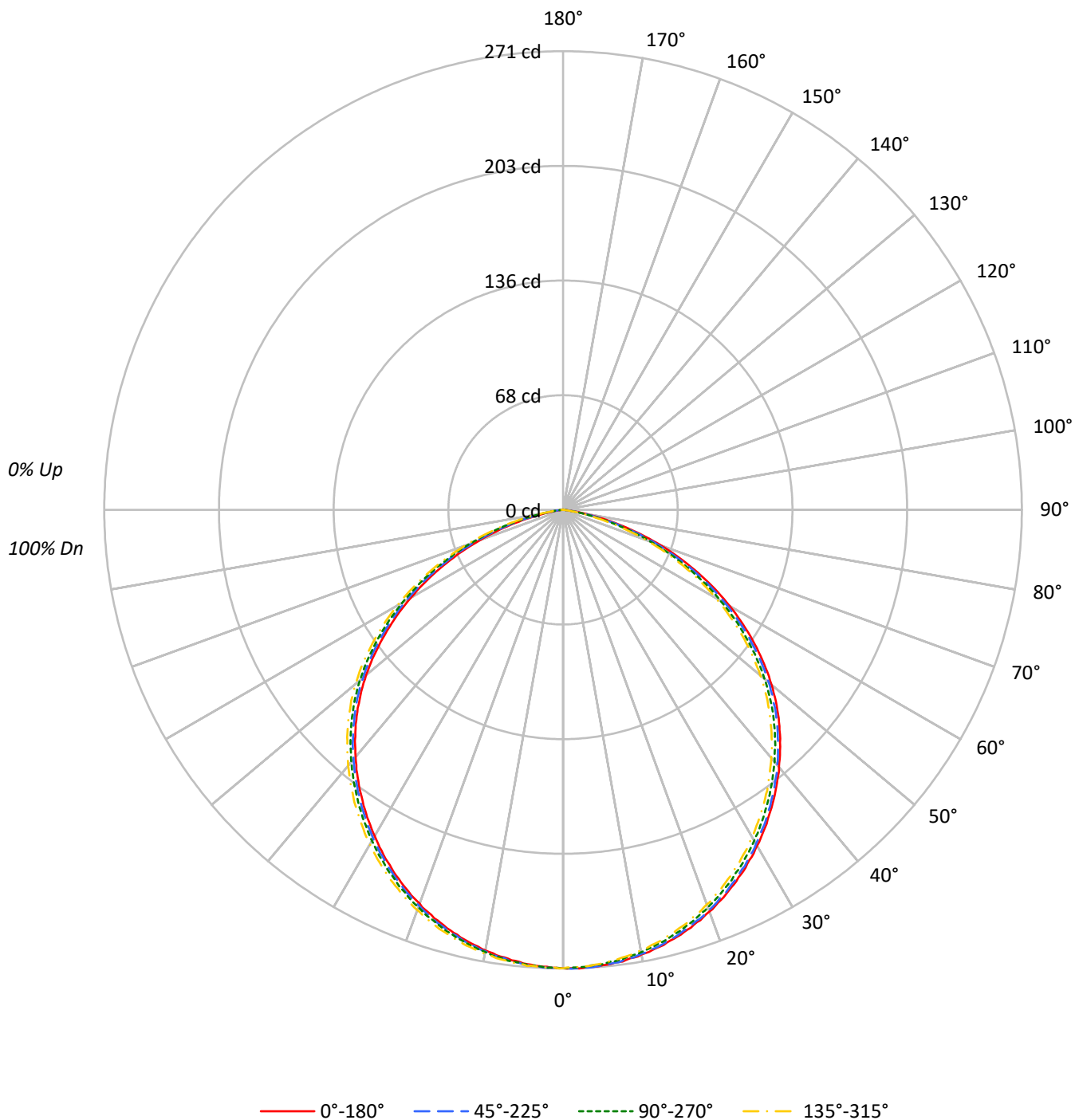
Lumens per Lamp: N/A
Luminaire Lumens: 715.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): =20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86			
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53			
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	35	31	42	35	30	41	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33414	33414	33414	33414
5°	33443	33369	33319	33344
10°	33416	33241	33116	33228
15°	33342	33061	32844	33035
20°	33170	32829	32500	32815
25°	32963	32500	32173	32486
30°	32659	32146	31704	32146
35°	32344	31742	31215	31757
40°	31946	31302	30706	31334
45°	31521	30718	30073	30840
50°	30856	29801	29129	30069
55°	29698	28472	27633	28816
60°	28024	26519	25607	27013
65°	25684	23816	22794	24545
70°	22179	19871	18753	21025
75°	17109	14249	12963	15917
80°	9518	6961	5967	8595
85°	3397	2406	2264	2972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31521 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	3.6
10°-20°	73.1	10.2
20°-30°	110.1	15.4
30°-40°	132.0	18.5
40°-50°	135.9	19.0
50°-60°	118.9	16.6
60°-70°	81.9	11.5
70°-80°	34.0	4.8
80°-90°	3.2	0.5
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°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	208.8	29.2
0°-40°	340.8	47.7
0°-60°	595.6	83.3
0°-90°	714.8	100.0
90°-120°	0.0	0.0
90°-150°	0.1	0.0
90°-180°	0.0	0.0
0°-180°	715.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	271	271	271	271	271	
5°	270	270	269	269	270	26
15°	261	259	257	259	261	74
25°	242	239	236	239	242	112
35°	215	211	207	211	215	134
45°	181	176	172	177	181	139
55°	138	132	128	134	138	123
65°	88	82	78	84	88	87
75°	36	30	27	33	36	38
85°	2	2	2	2	2	4
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	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°	270.9	270.9	270.9	270.9	270.9	270.9	270.9	270.9	270.9	270.9	270.9
0.5°	271.1	271.1	270.8	270.9	270.7	270.6	270.5	270.7	270.7	271.0	271.2
1°	271.0	271.0	271.2	271.1	270.5	270.5	270.7	270.4	270.7	270.9	270.9
1.5°	271.0	271.1	271.1	270.9	270.5	270.7	270.6	270.1	270.7	270.6	270.7
2°	271.2	271.3	271.0	270.8	270.5	270.5	270.2	270.3	270.2	270.6	270.8
2.5°	271.0	270.9	270.8	270.6	270.4	270.1	270.1	270.1	270.2	270.3	270.7
3°	270.7	270.8	270.9	270.6	270.3	270.0	270.0	270.0	270.1	270.2	270.3
3.5°	270.6	270.8	270.9	270.4	269.8	270.1	269.9	269.6	269.9	269.9	269.9
4°	270.7	270.7	270.7	270.1	269.8	269.7	269.4	269.5	269.4	269.6	270.0
4.5°	270.5	270.5	270.3	270.1	269.6	269.4	269.3	269.2	269.3	269.5	269.7
5°	270.1	270.2	270.3	269.8	269.5	269.1	268.9	268.8	269.1	269.0	269.6
5.5°	270.0	269.9	270.0	269.5	268.9	269.2	268.5	268.3	268.4	268.7	268.9
6°	269.9	270.0	269.6	269.2	268.5	268.4	268.2	268.2	268.0	268.5	268.7
6.5°	269.3	269.6	269.3	268.8	268.5	268.3	268.0	267.6	268.0	268.1	268.2
7°	269.2	269.2	269.4	268.5	268.1	268.2	267.4	267.4	267.2	267.7	268.1
7.5°	269.3	268.7	268.7	268.2	267.9	267.4	266.8	266.7	266.7	267.2	267.2
8°	268.5	268.8	268.3	267.7	267.2	267.0	266.5	266.3	266.6	266.7	267.1
8.5°	268.0	268.2	268.0	267.4	266.8	266.6	266.2	266.0	266.1	266.3	266.6
9°	267.9	267.8	267.7	267.0	266.4	266.0	265.7	265.4	265.2	265.9	266.4
9.5°	267.6	267.3	267.0	266.3	266.1	265.6	264.9	264.6	264.9	265.2	265.4
10°	266.8	267.2	266.4	265.9	265.4	265.0	264.4	264.2	264.4	264.4	264.9
10.5°	266.4	266.4	266.1	265.2	264.9	264.5	264.2	263.8	263.8	264.0	264.4
11°	266.2	265.8	265.9	264.9	264.3	264.0	263.4	263.1	262.9	263.6	264.0
11.5°	265.4	265.3	264.9	264.3	263.9	263.2	262.4	262.2	262.5	262.7	263.1
12°	264.7	264.8	264.4	263.6	263.1	262.5	262.0	261.7	261.9	261.9	262.5
12.5°	264.4	264.2	263.9	262.9	262.4	262.1	261.4	261.2	261.1	261.6	261.8
13°	263.9	263.7	263.2	262.4	261.9	261.4	260.8	260.3	260.4	260.8	261.5
13.5°	263.0	262.9	262.5	261.7	261.3	260.5	259.7	259.5	259.8	259.8	260.4
14°	262.3	262.3	261.7	261.1	260.4	259.8	259.1	258.8	258.7	259.1	259.5
14.5°	261.8	261.6	261.1	260.1	259.6	259.2	258.6	258.1	258.1	258.5	259.0
15°	261.1	260.7	260.5	259.5	258.9	258.4	257.5	257.4	257.2	257.9	258.3
15.5°	260.4	260.0	259.5	258.8	258.3	257.2	256.6	256.4	256.5	256.7	257.4
16°	259.5	259.5	258.6	258.0	257.4	256.7	256.0	255.5	255.4	255.8	256.4
16.5°	258.8	258.7	258.2	256.9	256.4	256.0	255.2	254.9	254.5	255.1	255.6
17°	258.2	257.6	257.3	256.4	255.7	254.9	254.2	253.8	253.6	254.2	254.9
17.5°	257.0	256.9	256.2	255.5	254.9	254.0	253.1	252.6	253.1	253.2	253.9
18°	256.2	256.3	255.3	254.6	253.9	253.1	252.1	251.8	251.7	252.1	252.7
18.5°	255.7	255.3	254.8	253.5	252.9	252.2	251.5	251.0	250.8	251.3	252.1
19°	254.5	254.3	253.9	252.7	251.8	251.2	250.4	249.8	250.0	250.4	251.1
19.5°	253.5	253.4	252.8	251.8	251.2	250.1	249.1	248.8	249.1	249.3	250.0
20°	252.7	252.6	251.8	250.8	250.1	249.1	248.2	247.8	247.6	248.1	248.8
20.5°	252.0	251.6	250.9	249.7	249.0	248.3	247.5	246.8	246.7	247.2	248.0
21°	250.8	250.4	249.9	248.7	248.1	247.2	246.0	245.7	245.7	246.1	247.1
21.5°	249.5	249.3	248.9	247.6	247.0	245.9	244.9	244.6	244.8	245.0	245.7
22°	248.7	248.6	247.5	246.6	246.0	244.8	243.9	243.3	243.4	243.8	244.7

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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°	247.9	247.5	246.6	245.4	244.7	243.9	242.9	242.2	242.3	242.8	243.7
23°	246.6	246.2	245.9	244.3	243.6	242.6	241.6	241.3	241.2	241.7	242.4
23.5°	245.5	245.1	244.5	243.3	242.5	241.4	240.4	240.0	240.0	240.4	241.1
24°	244.3	244.2	243.3	242.1	241.4	240.1	239.1	238.6	238.6	239.0	240.0
24.5°	243.3	243.0	242.1	240.9	240.3	239.3	238.1	237.6	237.6	238.0	238.9
25°	242.2	241.6	241.1	239.6	238.8	237.7	236.8	236.3	236.4	236.8	237.6
25.5°	240.6	240.6	239.8	238.6	237.4	236.5	235.4	235.1	235.0	235.4	236.2
26°	239.6	239.5	238.5	237.2	236.5	235.4	234.2	233.6	233.4	234.0	235.1
26.5°	238.7	238.2	237.2	235.9	235.3	234.1	233.1	232.4	232.3	232.8	233.9
27°	237.3	236.9	236.3	234.6	234.0	232.7	231.6	231.1	231.2	231.7	232.3
27.5°	235.7	235.6	234.8	233.6	232.5	231.4	230.1	229.7	229.7	230.2	230.9
28°	234.5	234.4	233.4	232.0	231.2	230.1	228.9	228.3	228.1	228.7	229.9
28.5°	233.4	233.0	232.0	230.7	230.0	228.9	227.8	227.0	227.0	227.5	228.4
29°	232.2	231.7	230.9	229.3	228.5	227.3	225.9	225.5	225.5	226.2	226.9
29.5°	230.5	230.3	229.6	227.9	227.2	225.7	224.6	224.4	224.0	224.6	225.6
30°	229.3	229.0	227.9	226.6	225.7	224.5	223.3	222.5	222.6	223.1	224.3
30.5°	228.0	227.7	226.5	225.1	224.2	223.3	222.0	221.2	221.2	221.7	222.8
31°	226.6	226.1	225.5	223.7	223.2	221.5	220.3	219.8	219.7	220.4	221.3
31.5°	225.0	224.6	223.7	222.4	221.5	220.0	218.8	218.4	218.2	218.8	219.9
32°	223.6	223.5	222.2	220.7	219.9	218.8	217.5	216.6	216.7	217.3	218.6
32.5°	222.3	221.9	221.0	219.2	218.5	217.2	215.9	215.4	215.3	215.8	216.8
33°	221.0	220.2	219.6	218.0	217.1	215.5	214.2	213.8	213.7	214.3	215.3
33.5°	219.1	218.8	217.9	216.3	215.6	214.0	212.7	212.2	212.1	212.6	213.7
34°	217.7	217.4	216.3	214.8	213.8	212.6	211.2	210.6	210.7	211.1	212.4
34.5°	216.2	215.8	214.8	213.1	212.3	210.8	209.8	209.1	209.0	209.5	210.8
35°	214.8	214.4	213.4	211.7	210.8	209.4	208.1	207.5	207.3	208.0	209.0
35.5°	213.1	212.6	211.7	210.1	209.3	207.7	206.4	206.0	205.8	206.3	207.4
36°	211.6	211.2	210.1	208.3	207.8	206.2	205.1	204.1	204.3	204.8	206.1
36.5°	210.0	209.7	208.7	206.8	205.8	204.7	203.3	202.6	202.7	203.1	204.3
37°	208.4	208.0	207.1	205.3	204.4	202.9	201.4	200.9	200.8	201.6	202.5
37.5°	206.8	206.2	205.4	203.7	202.8	201.2	199.9	199.2	199.2	199.8	201.1
38°	205.1	204.7	203.4	201.9	201.1	199.7	198.3	197.3	197.6	198.2	199.5
38.5°	203.4	203.2	202.0	200.2	199.3	197.8	196.4	195.8	196.0	196.4	197.7
39°	201.9	201.3	200.5	198.6	197.7	196.1	194.8	194.3	194.0	194.9	195.9
39.5°	200.4	199.7	198.6	196.9	195.9	194.4	193.2	192.4	192.4	193.1	194.2
40°	198.4	198.0	196.8	195.0	194.4	192.8	191.3	190.5	190.7	191.4	192.5
40.5°	196.7	196.3	195.3	193.3	192.5	191.0	189.4	188.9	189.0	189.4	190.8
41°	195.1	194.5	193.4	191.8	190.6	189.0	187.9	187.1	187.1	188.0	189.0
41.5°	193.5	192.7	191.5	189.8	188.9	187.4	186.2	185.4	185.4	186.1	187.4
42°	191.6	191.2	189.8	188.0	187.4	185.7	184.2	183.5	183.8	184.3	185.7
42.5°	189.8	189.2	188.2	186.3	185.4	183.7	182.3	181.8	181.7	182.4	183.7
43°	188.0	187.6	186.2	184.5	183.5	181.9	180.6	180.0	179.8	180.8	181.9
43.5°	186.4	185.6	184.3	182.5	181.7	180.1	178.7	178.0	178.0	178.7	180.1
44°	184.4	183.8	182.6	180.6	179.9	178.2	176.7	176.1	176.3	176.9	178.4
44.5°	182.5	182.1	180.7	178.8	177.9	176.2	174.8	174.3	174.2	174.9	176.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	180.7	180.1	178.8	176.9	176.1	174.4	173.0	172.4	172.4	173.1	174.4
45.5°	178.9	178.1	176.8	174.9	174.1	172.5	171.1	170.3	170.4	171.2	172.7
46°	177.0	176.5	175.0	173.0	172.2	170.5	169.0	168.4	168.6	169.3	170.6
46.5°	175.0	174.5	173.1	171.2	170.2	168.5	166.8	166.4	166.3	167.2	168.5
47°	172.9	172.4	171.0	169.1	168.3	166.5	165.2	164.3	164.3	165.3	166.8
47.5°	171.2	170.3	168.8	167.0	166.0	164.5	163.0	162.2	162.3	163.2	164.7
48°	169.1	168.4	166.9	164.9	164.0	162.3	160.7	160.3	160.4	161.3	162.6
48.5°	167.0	166.4	165.0	162.9	161.9	160.2	158.7	158.2	158.2	159.0	160.5
49°	164.9	164.2	162.7	160.8	159.9	158.1	156.7	155.9	156.1	157.0	158.6
49.5°	162.9	162.1	160.7	158.5	157.6	156.0	154.4	153.7	153.9	154.8	156.4
50°	160.8	160.0	158.6	156.3	155.3	153.6	152.2	151.5	151.8	152.6	154.1
50.5°	158.5	157.8	156.2	154.3	153.2	151.5	150.0	149.3	149.4	150.3	151.9
51°	156.5	155.5	154.0	151.8	151.1	149.3	147.7	147.0	147.2	148.2	149.9
51.5°	154.3	153.4	151.9	149.5	148.8	147.0	145.3	144.8	145.0	145.9	147.6
52°	152.0	151.2	149.6	147.5	146.4	144.7	143.1	142.5	142.8	143.7	145.2
52.5°	149.8	149.0	147.2	145.1	144.1	142.5	140.8	140.2	140.3	141.3	142.8
53°	147.5	146.5	144.9	142.8	141.9	140.1	138.5	137.9	138.0	139.0	140.7
53.5°	145.2	144.2	142.6	140.3	139.4	137.7	136.1	135.5	135.6	136.6	138.4
54°	142.8	142.0	140.3	138.2	137.0	135.3	133.7	133.2	133.4	134.4	135.9
54.5°	140.5	139.6	137.8	135.6	134.8	133.1	131.4	130.8	130.9	132.0	133.5
55°	138.1	137.2	135.5	133.2	132.4	130.5	129.1	128.4	128.5	129.5	131.4
55.5°	135.8	134.8	133.3	130.8	129.9	128.1	126.5	126.0	126.1	127.1	128.8
56°	133.4	132.4	130.8	128.6	127.5	125.7	124.1	123.6	123.7	124.8	126.3
56.5°	131.0	130.1	128.3	126.0	125.1	123.2	121.7	121.2	121.2	122.2	124.0
57°	128.6	127.5	125.8	123.5	122.7	120.7	119.2	118.6	118.7	119.7	121.7
57.5°	126.1	125.1	123.4	120.9	120.1	118.3	116.6	116.1	116.3	117.3	119.1
58°	123.6	122.6	120.9	118.6	117.5	115.8	114.2	113.7	113.9	114.9	116.6
58.5°	121.2	120.2	118.3	116.1	115.1	113.3	111.8	111.2	111.3	112.4	114.1
59°	118.7	117.6	115.9	113.4	112.6	110.8	109.3	108.8	108.8	109.9	111.8
59.5°	116.2	115.1	113.5	111.0	110.1	108.2	106.6	106.1	106.4	107.3	109.2
60°	113.6	112.4	110.9	108.6	107.5	105.7	104.2	103.6	103.8	104.8	106.6
60.5°	111.1	110.1	108.2	105.9	104.9	103.1	101.7	101.2	101.2	102.4	104.1
61°	108.6	107.5	105.7	103.3	102.5	100.6	99.1	98.6	98.7	99.8	101.7
61.5°	106.1	105.0	103.2	100.8	99.9	98.1	96.4	95.9	96.2	97.3	99.1
62°	103.5	102.4	100.5	98.3	97.3	95.5	94.0	93.5	93.7	94.7	96.5
62.5°	100.9	99.9	98.0	95.6	94.8	92.9	91.6	90.9	91.1	92.3	94.0
63°	98.3	97.2	95.4	93.0	92.1	90.3	89.0	88.3	88.5	89.7	91.6
63.5°	95.8	94.7	92.7	90.4	89.5	87.7	86.3	85.7	85.9	87.1	89.0
64°	93.1	91.9	90.1	87.7	86.9	85.0	83.7	83.1	83.4	84.5	86.4
64.5°	90.6	89.4	87.5	85.1	84.3	82.4	81.1	80.5	80.8	81.9	83.9
65°	88.0	87.0	85.0	82.5	81.6	79.8	78.3	77.9	78.1	79.3	81.3
65.5°	85.3	84.1	82.3	79.9	79.0	77.2	75.6	75.2	75.5	76.7	78.5
66°	82.6	81.4	79.6	77.2	76.3	74.5	73.1	72.6	72.8	74.0	75.9
66.5°	80.0	78.9	76.9	74.5	73.7	71.9	70.4	70.0	70.2	71.5	73.4
67°	77.4	76.3	74.3	72.0	71.1	69.2	67.8	67.4	67.7	68.8	70.8

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	74.7	73.6	71.7	69.3	68.4	66.6	65.2	64.7	65.0	66.2	68.2
68°	72.0	70.9	69.0	66.6	65.7	64.0	62.6	62.1	62.4	63.6	65.6
68.5°	69.5	68.3	66.3	64.0	63.1	61.4	59.9	59.5	59.8	61.0	63.0
69°	66.9	65.7	63.8	61.4	60.5	58.7	57.4	56.9	57.2	58.4	60.4
69.5°	64.2	63.0	61.1	58.7	57.8	56.1	54.6	54.3	54.6	55.8	57.7
70°	61.5	60.3	58.4	56.0	55.1	53.5	52.1	51.6	52.0	53.2	55.2
70.5°	58.9	57.7	55.8	53.4	52.6	50.8	49.6	49.1	49.4	50.7	52.7
71°	56.3	55.1	53.2	50.9	50.0	48.3	47.0	46.6	46.9	48.1	50.1
71.5°	53.7	52.5	50.6	48.2	47.4	45.8	44.4	44.0	44.3	45.6	47.5
72°	51.1	49.9	48.0	45.6	44.8	43.2	41.9	41.4	41.8	43.1	45.0
72.5°	48.5	47.3	45.4	43.1	42.3	40.6	39.4	38.9	39.3	40.5	42.5
73°	45.9	44.7	42.8	40.6	39.7	38.1	36.8	36.4	36.8	38.0	40.0
73.5°	43.3	42.1	40.2	38.0	37.2	35.6	34.3	34.0	34.4	35.6	37.5
74°	40.8	39.6	37.5	35.6	34.8	33.2	32.0	31.6	32.0	33.2	35.2
74.5°	38.4	37.1	35.1	33.2	32.3	30.8	29.6	29.2	29.6	30.8	32.7
75°	35.9	34.7	32.8	30.8	29.9	28.4	27.2	26.8	27.2	28.4	30.3
75.5°	33.5	32.3	30.4	28.4	27.5	26.0	24.8	24.5	25.0	26.2	28.1
76°	31.1	29.8	28.0	26.0	25.2	23.8	22.6	22.3	22.7	23.9	25.8
76.5°	28.6	27.4	25.6	23.7	23.0	21.5	20.4	20.2	20.5	21.7	23.5
77°	26.2	25.0	23.4	21.4	20.8	19.4	18.3	18.0	18.5	19.6	21.4
77.5°	23.8	22.8	21.2	19.3	18.6	17.3	16.3	16.0	16.4	17.6	19.3
78°	21.6	20.5	19.0	17.2	16.6	15.3	14.3	14.1	14.5	15.6	17.2
78.5°	19.5	18.4	16.9	15.2	14.6	13.4	12.5	12.3	12.7	13.7	15.3
79°	17.4	16.3	14.9	13.3	12.7	11.9	11.1	10.9	11.2	11.9	13.4
79.5°	15.4	14.3	13.0	11.5	11.2	10.5	9.6	9.5	9.8	10.6	11.7
80°	13.4	12.5	11.2	9.8	9.8	9.1	8.2	8.1	8.4	9.2	10.3
80.5°	11.7	10.7	9.6	8.3	8.3	7.6	6.8	6.7	7.0	7.8	9.0
81°	10.0	9.2	8.1	6.9	6.8	6.2	5.4	5.3	5.6	6.5	7.6
81.5°	8.4	7.7	6.6	5.6	5.4	4.8	4.3	4.2	4.5	5.1	6.3
82°	7.1	6.3	5.5	4.5	4.3	3.7	3.4	3.4	3.6	4.1	4.9
82.5°	5.8	5.2	4.3	3.4	3.4	3.0	2.8	2.8	2.9	3.3	3.9
83°	4.7	4.1	3.9	3.1	2.8	2.6	2.5	2.5	2.6	2.7	3.1
83.5°	3.6	3.6	3.4	2.7	2.5	2.4	2.2	2.2	2.3	2.5	2.6
84°	3.2	3.1	2.9	2.3	2.2	2.1	1.9	1.9	2.0	2.2	2.4
84.5°	2.8	2.6	2.4	2.0	1.9	1.8	1.7	1.7	1.8	1.9	2.1
85°	2.4	2.2	1.9	1.7	1.7	1.6	1.5	1.5	1.6	1.7	1.8
85.5°	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.3	1.4	1.5	1.6
86°	1.8	1.6	1.5	1.3	1.3	1.1	1.0	1.0	1.1	1.3	1.5
86.5°	1.6	1.5	1.3	1.0	1.0	0.8	0.8	0.8	0.8	1.0	1.2
87°	1.4	1.2	1.0	0.8	0.8	0.7	0.6	0.6	0.7	0.8	0.9
87.5°	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.5	0.6	0.7
88°	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.2	0.3	0.4	0.6
88.5°	0.7	0.6	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.4
89°	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
89.5°	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

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
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.5°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.5°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.5°	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.5°	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
130.5°	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
146°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
146.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
149°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
149.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
153°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
153.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
154°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
154.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
156°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
156.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
158°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
158.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
159°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
159.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
160°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
160.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
161°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
161.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
162°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
162.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1
163°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1
163.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
164°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
164.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
165°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
165.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
166°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
166.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
167°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
167.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
168°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
168.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
169°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
169.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
170°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
170.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
171°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
171.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
172°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
172.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
173°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
173.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
174°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
174.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
175°	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
175.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
176°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
176.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
177°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
177.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
178°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
178.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
179°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
179.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P1504208
CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	270.9	270.9	270.9	270.9	270.9	270.9
0.5°	271.0	270.8	270.8	271.0	270.8	271.1
1°	271.1	270.6	270.7	270.7	270.6	271.0
1.5°	270.6	270.6	270.5	270.7	270.8	271.0
2°	270.6	270.7	270.6	270.6	270.7	271.2
2.5°	270.6	270.4	270.7	270.7	270.5	271.0
3°	270.5	270.1	270.3	270.5	270.4	270.7
3.5°	270.2	269.8	270.1	270.2	270.3	270.6
4°	269.8	270.0	270.1	270.0	270.3	270.7
4.5°	269.8	269.6	269.8	270.3	270.2	270.5
5°	269.6	269.3	269.6	269.7	269.9	270.1
5.5°	269.2	268.8	269.3	269.5	269.8	270.0
6°	268.8	268.7	269.3	269.3	269.4	269.9
6.5°	268.4	268.5	268.8	269.1	269.4	269.3
7°	268.4	268.3	268.4	268.5	269.1	269.2
7.5°	267.6	267.7	268.0	268.3	268.6	269.3
8°	267.2	267.2	267.8	268.1	268.1	268.5
8.5°	266.9	266.7	267.4	267.8	268.1	268.0
9°	266.5	266.7	266.8	267.1	267.6	267.9
9.5°	265.9	265.8	266.3	266.8	267.1	267.6
10°	265.3	265.3	265.9	266.4	266.4	266.8
10.5°	264.8	264.8	265.3	265.8	266.5	266.4
11°	264.4	264.3	264.7	265.2	265.6	266.2
11.5°	263.6	263.7	264.0	264.7	265.3	265.4
12°	263.0	263.1	263.7	264.1	264.6	264.7
12.5°	262.3	262.4	263.0	263.8	264.0	264.4
13°	261.8	261.6	262.4	263.0	263.5	263.9
13.5°	261.0	261.1	261.6	262.2	263.0	263.0
14°	260.3	260.5	261.1	261.7	262.0	262.3
14.5°	259.5	259.5	260.4	260.9	261.3	261.8
15°	259.0	258.7	259.6	260.2	260.8	261.1
15.5°	257.9	258.2	258.6	259.3	260.2	260.4
16°	257.1	257.4	258.2	258.7	259.2	259.5
16.5°	256.5	256.5	257.4	258.1	258.3	258.8
17°	255.5	255.5	256.5	257.1	257.6	258.2
17.5°	254.4	254.5	255.5	256.2	257.0	257.0
18°	253.7	253.7	254.6	255.4	255.9	256.2
18.5°	252.7	253.0	253.9	254.6	254.9	255.7
19°	252.1	252.1	252.9	253.8	254.2	254.5
19.5°	250.7	250.9	251.8	252.5	253.4	253.5
20°	249.8	250.0	250.9	251.7	252.3	252.7
20.5°	248.8	249.0	250.0	250.9	251.2	252.0
21°	247.8	248.0	248.8	249.8	250.3	250.8
21.5°	246.6	247.0	247.7	248.6	249.3	249.5
22°	245.6	245.8	246.8	247.7	248.3	248.7

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	244.4	244.5	245.9	246.6	247.4	247.9
23°	243.6	243.6	244.5	245.6	246.1	246.6
23.5°	242.1	242.6	243.3	244.3	245.0	245.5
24°	241.0	241.3	242.2	243.3	244.1	244.3
24.5°	240.0	239.9	241.3	242.2	243.0	243.3
25°	238.7	238.7	239.9	241.1	241.7	242.2
25.5°	237.3	237.8	238.7	239.8	240.4	240.6
26°	236.4	236.5	237.6	238.7	239.4	239.6
26.5°	234.9	235.2	236.6	237.2	238.1	238.7
27°	233.7	233.6	235.2	236.2	236.7	237.3
27.5°	232.2	232.5	233.7	234.8	235.4	235.7
28°	230.9	231.4	232.4	233.6	234.4	234.5
28.5°	229.7	229.8	231.3	232.2	232.9	233.4
29°	228.4	228.5	230.0	231.0	231.5	232.2
29.5°	226.8	227.1	228.4	229.7	230.3	230.5
30°	225.5	225.7	227.0	228.2	228.9	229.3
30.5°	224.2	224.4	225.7	226.7	227.6	228.0
31°	222.6	222.9	224.3	225.5	226.2	226.6
31.5°	221.1	221.4	222.9	224.1	224.7	225.0
32°	219.9	219.9	221.4	222.5	223.5	223.6
32.5°	218.3	218.6	219.7	221.0	221.8	222.3
33°	216.6	217.2	218.4	219.6	220.3	221.0
33.5°	215.1	215.4	217.1	218.3	219.0	219.1
34°	214.0	213.9	215.3	216.5	217.5	217.7
34.5°	212.1	212.6	213.7	215.0	215.9	216.2
35°	210.4	210.9	212.4	213.6	214.2	214.8
35.5°	209.1	209.3	210.9	212.2	212.8	213.1
36°	207.5	207.7	209.2	210.5	211.3	211.6
36.5°	205.9	206.0	207.6	208.8	209.6	210.0
37°	204.2	204.5	206.0	207.3	207.9	208.4
37.5°	202.5	203.0	204.4	205.9	206.2	206.8
38°	201.1	201.2	202.9	203.9	204.9	205.1
38.5°	199.2	199.4	201.0	202.4	203.2	203.4
39°	197.4	198.0	199.5	200.8	201.5	201.9
39.5°	195.9	196.2	197.9	199.1	199.8	200.4
40°	194.3	194.6	196.0	197.5	198.2	198.4
40.5°	192.3	192.9	194.3	195.7	196.5	196.7
41°	190.6	191.0	192.6	193.9	194.7	195.1
41.5°	188.9	189.3	190.9	192.3	193.0	193.5
42°	187.2	187.7	189.1	190.6	191.2	191.6
42.5°	185.2	185.9	187.4	188.7	189.6	189.8
43°	183.5	184.1	185.6	186.8	187.8	188.0
43.5°	181.8	182.1	183.9	185.3	186.0	186.4
44°	179.8	180.3	182.1	183.4	184.0	184.4
44.5°	177.9	178.4	180.2	181.4	182.5	182.5

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	176.2	176.8	178.2	179.6	180.5	180.7
45.5°	174.3	174.7	176.4	177.9	178.6	178.9
46°	172.4	172.7	174.6	175.9	176.6	177.0
46.5°	170.3	170.7	172.5	174.0	174.8	175.0
47°	168.3	169.0	170.5	171.9	172.8	172.9
47.5°	166.5	167.0	168.8	170.1	170.9	171.2
48°	164.5	165.1	166.7	168.3	168.7	169.1
48.5°	162.3	162.8	164.6	166.1	167.0	167.0
49°	160.3	160.9	162.5	164.0	164.9	164.9
49.5°	158.2	158.8	160.5	162.1	162.8	162.9
50°	156.1	156.7	158.3	159.9	160.6	160.8
50.5°	153.8	154.4	156.1	157.7	158.5	158.5
51°	151.6	152.1	153.9	155.5	156.3	156.5
51.5°	149.7	150.0	151.8	153.4	154.3	154.3
52°	147.2	147.8	149.6	151.2	152.0	152.0
52.5°	144.9	145.5	147.3	148.8	149.6	149.8
53°	142.7	143.3	144.9	146.6	147.4	147.5
53.5°	140.4	140.9	142.8	144.4	145.2	145.2
54°	138.0	138.5	140.5	142.0	142.8	142.8
54.5°	135.7	136.3	138.0	139.6	140.3	140.5
55°	133.3	134.0	135.6	137.3	138.2	138.1
55.5°	130.9	131.5	133.5	134.9	135.8	135.8
56°	128.6	129.0	131.0	132.6	133.4	133.4
56.5°	126.0	126.7	128.6	130.2	130.9	131.0
57°	123.7	124.2	126.2	127.8	128.6	128.6
57.5°	121.4	121.8	123.8	125.4	126.0	126.1
58°	118.9	119.5	121.3	122.9	123.7	123.6
58.5°	116.3	116.9	118.9	120.4	121.1	121.2
59°	113.9	114.3	116.4	118.0	118.7	118.7
59.5°	111.5	111.9	113.9	115.5	116.1	116.2
60°	108.9	109.5	111.4	112.9	113.8	113.6
60.5°	106.4	107.0	108.9	110.4	111.2	111.1
61°	103.9	104.5	106.2	108.0	108.6	108.6
61.5°	101.4	102.0	103.8	105.5	106.1	106.1
62°	98.9	99.4	101.4	102.9	103.6	103.5
62.5°	96.3	96.9	98.8	100.3	101.0	100.9
63°	93.7	94.4	96.2	97.8	98.5	98.3
63.5°	91.4	91.9	93.6	95.3	95.8	95.8
64°	88.8	89.2	91.0	92.7	93.3	93.1
64.5°	86.2	86.6	88.5	90.0	90.8	90.6
65°	83.6	84.1	85.9	87.5	88.1	88.0
65.5°	81.0	81.6	83.3	85.0	85.4	85.3
66°	78.4	78.9	80.7	82.3	82.9	82.6
66.5°	75.7	76.3	78.2	79.7	80.3	80.0
67°	73.1	73.7	75.6	77.1	77.6	77.4

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	70.6	71.2	72.9	74.5	75.0	74.7
68°	68.0	68.6	70.4	71.9	72.4	72.0
68.5°	65.4	66.0	67.9	69.3	69.8	69.5
69°	62.8	63.4	65.2	66.7	67.1	66.9
69.5°	60.2	60.8	62.6	64.0	64.5	64.2
70°	57.6	58.3	60.0	61.4	61.9	61.5
70.5°	55.2	55.7	57.4	58.8	59.2	58.9
71°	52.5	53.1	54.8	56.2	56.7	56.3
71.5°	49.9	50.6	52.4	53.6	54.1	53.7
72°	47.4	48.1	49.8	51.1	51.4	51.1
72.5°	45.0	45.6	47.2	48.5	48.9	48.5
73°	42.4	43.0	44.7	45.9	46.3	45.9
73.5°	39.9	40.5	42.2	43.4	43.7	43.3
74°	37.5	38.2	39.7	40.9	41.2	40.8
74.5°	35.1	35.8	37.4	38.4	38.7	38.4
75°	32.7	33.4	35.0	36.0	36.3	35.9
75.5°	30.3	31.1	32.6	33.7	33.9	33.5
76°	27.9	28.7	30.2	31.3	31.5	31.1
76.5°	25.7	26.3	27.8	28.9	29.0	28.6
77°	23.5	24.1	25.5	26.5	26.6	26.2
77.5°	21.3	21.9	23.3	24.3	24.4	23.8
78°	19.2	19.8	21.2	22.1	22.1	21.6
78.5°	17.2	17.8	19.1	20.0	20.0	19.5
79°	15.2	15.8	17.0	17.8	17.9	17.4
79.5°	13.4	13.9	15.1	15.8	15.8	15.4
80°	11.6	12.1	13.2	13.9	13.9	13.4
80.5°	10.3	10.5	11.5	12.2	12.1	11.7
81°	8.9	8.9	9.9	10.4	10.5	10.0
81.5°	7.6	7.5	8.3	8.9	8.9	8.4
82°	6.3	6.2	7.0	7.4	7.4	7.1
82.5°	4.9	5.1	5.7	6.2	6.1	5.8
83°	3.9	4.1	4.6	5.0	5.0	4.7
83.5°	3.1	3.6	3.7	4.0	4.0	3.6
84°	2.6	3.1	3.2	3.5	3.5	3.2
84.5°	2.4	2.6	2.8	3.0	3.0	2.8
85°	2.1	2.1	2.4	2.6	2.6	2.4
85.5°	1.8	1.9	2.0	2.1	2.1	2.0
86°	1.6	1.7	1.7	1.8	1.8	1.8
86.5°	1.4	1.5	1.6	1.6	1.6	1.6
87°	1.2	1.2	1.4	1.4	1.4	1.4
87.5°	0.9	0.9	1.1	1.2	1.2	1.1
88°	0.7	0.7	0.8	0.9	0.9	0.8
88.5°	0.6	0.6	0.7	0.7	0.7	0.7
89°	0.3	0.4	0.5	0.6	0.6	0.5
89.5°	0.1	0.1	0.2	0.3	0.3	0.2



TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.1	0.1	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0
124.5°	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0
125.5°	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0
126.5°	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.1	0.0	0.0	0.0	0.0
128°	0.0	0.1	0.0	0.0	0.0	0.0
128.5°	0.0	0.1	0.0	0.0	0.0	0.0
129°	0.0	0.1	0.1	0.0	0.0	0.0
129.5°	0.0	0.1	0.1	0.0	0.0	0.0
130°	0.0	0.1	0.1	0.0	0.0	0.0
130.5°	0.0	0.1	0.1	0.1	0.0	0.0
131°	0.0	0.1	0.1	0.1	0.0	0.1
131.5°	0.0	0.1	0.1	0.1	0.1	0.1
132°	0.0	0.1	0.1	0.1	0.1	0.1
132.5°	0.0	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.1	0.1	0.1	0.1	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.1
136.5°	0.1	0.1	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1
138.5°	0.1	0.1	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.1	0.1
140.5°	0.1	0.1	0.1	0.1	0.1	0.1
141°	0.1	0.1	0.1	0.1	0.1	0.1
141.5°	0.1	0.1	0.1	0.1	0.1	0.1
142°	0.1	0.1	0.1	0.1	0.1	0.1
142.5°	0.1	0.1	0.1	0.1	0.1	0.1
143°	0.1	0.1	0.1	0.1	0.1	0.1
143.5°	0.1	0.1	0.1	0.1	0.1	0.1
144°	0.1	0.1	0.1	0.1	0.1	0.1
144.5°	0.1	0.1	0.1	0.1	0.1	0.1
145°	0.1	0.1	0.1	0.1	0.1	0.1
145.5°	0.1	0.1	0.1	0.1	0.1	0.1
146°	0.1	0.1	0.1	0.1	0.1	0.1
146.5°	0.1	0.1	0.1	0.1	0.1	0.1
147°	0.1	0.1	0.1	0.1	0.1	0.1
147.5°	0.1	0.1	0.1	0.1	0.1	0.1
148°	0.1	0.1	0.1	0.1	0.1	0.1
148.5°	0.1	0.1	0.1	0.1	0.1	0.1
149°	0.1	0.1	0.1	0.1	0.1	0.1
149.5°	0.1	0.1	0.1	0.1	0.1	0.1
150°	0.1	0.1	0.1	0.1	0.1	0.1
150.5°	0.1	0.1	0.1	0.1	0.1	0.1
151°	0.1	0.1	0.1	0.1	0.1	0.1
151.5°	0.1	0.1	0.1	0.1	0.1	0.1
152°	0.1	0.1	0.1	0.1	0.1	0.1
152.5°	0.1	0.1	0.1	0.1	0.1	0.1
153°	0.1	0.1	0.1	0.1	0.1	0.1
153.5°	0.1	0.1	0.1	0.1	0.1	0.1
154°	0.1	0.1	0.1	0.1	0.1	0.1
154.5°	0.1	0.1	0.1	0.1	0.1	0.1
155°	0.1	0.1	0.1	0.1	0.1	0.1
155.5°	0.1	0.1	0.1	0.1	0.1	0.1
156°	0.1	0.1	0.1	0.1	0.1	0.1
156.5°	0.1	0.1	0.1	0.1	0.1	0.1
157°	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.1	0.1	0.1	0.1	0.1	0.1
158°	0.1	0.1	0.1	0.1	0.1	0.1
158.5°	0.1	0.1	0.1	0.1	0.1	0.1
159°	0.1	0.1	0.1	0.1	0.1	0.1
159.5°	0.1	0.1	0.1	0.1	0.1	0.1
160°	0.1	0.1	0.1	0.1	0.1	0.1
160.5°	0.1	0.1	0.1	0.1	0.1	0.1
161°	0.1	0.1	0.1	0.1	0.1	0.1
161.5°	0.2	0.1	0.1	0.1	0.1	0.1
162°	0.2	0.1	0.1	0.1	0.1	0.1
162.5°	0.2	0.1	0.1	0.1	0.1	0.1
163°	0.2	0.1	0.1	0.1	0.1	0.1
163.5°	0.2	0.1	0.1	0.1	0.1	0.1
164°	0.2	0.1	0.1	0.1	0.1	0.1
164.5°	0.2	0.1	0.1	0.1	0.1	0.1
165°	0.2	0.1	0.1	0.1	0.1	0.1
165.5°	0.2	0.1	0.1	0.1	0.1	0.1
166°	0.2	0.1	0.1	0.1	0.1	0.1
166.5°	0.2	0.1	0.1	0.1	0.1	0.1
167°	0.1	0.1	0.1	0.1	0.1	0.1
167.5°	0.1	0.1	0.1	0.1	0.1	0.1
168°	0.1	0.1	0.1	0.1	0.1	0.1
168.5°	0.1	0.1	0.1	0.1	0.1	0.1
169°	0.1	0.1	0.1	0.1	0.1	0.1
169.5°	0.1	0.1	0.1	0.1	0.1	0.1
170°	0.1	0.1	0.1	0.1	0.1	0.1
170.5°	0.1	0.1	0.1	0.1	0.1	0.1
171°	0.1	0.1	0.1	0.1	0.1	0.1
171.5°	0.1	0.1	0.1	0.1	0.1	0.1
172°	0.1	0.1	0.1	0.1	0.1	0.1
172.5°	0.1	0.1	0.1	0.1	0.1	0.1
173°	0.1	0.1	0.1	0.1	0.1	0.1
173.5°	0.1	0.1	0.1	0.1	0.1	0.1
174°	0.1	0.1	0.1	0.1	0.1	0.1
174.5°	0.1	0.1	0.1	0.1	0.1	0.1
175°	0.1	0.1	0.1	0.1	0.1	0.1
175.5°	0.1	0.1	0.1	0.1	0.1	0.1
176°	0.1	0.1	0.1	0.1	0.1	0.1
176.5°	0.1	0.1	0.1	0.1	0.1	0.1
177°	0.1	0.1	0.1	0.1	0.1	0.1
177.5°	0.1	0.1	0.1	0.1	0.1	0.1
178°	0.1	0.1	0.1	0.1	0.1	0.1
178.5°	0.1	0.1	0.1	0.1	0.1	0.1
179°	0.1	0.1	0.1	0.1	0.1	0.1
179.5°	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P1504208
CATALOG NUMBER: JBD4FS5-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1504208

CATALOG NUMBER: JBD4FS5-2700K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	24.1	25.7	24.5	26.0	26.3	23.8	25.4	24.1	25.7	26.0
	3H	25.6	27.0	26.0	27.4	27.7	25.1	26.6	25.5	26.9	27.3
	4H	26.0	27.3	26.4	27.7	28.1	25.5	26.8	25.9	27.1	27.5
	6H	26.1	27.4	26.6	27.8	28.1	25.5	26.8	26.0	27.1	27.5
	8H	26.1	27.3	26.6	27.7	28.1	25.5	26.7	25.9	27.1	27.5
	12H	26.1	27.2	26.5	27.6	28.1	25.5	26.6	25.9	27.0	27.4
4H	2H	24.7	26.0	25.1	26.3	26.7	24.3	25.7	24.7	26.0	26.4
	3H	26.3	27.4	26.7	27.8	28.2	25.8	26.9	26.2	27.3	27.7
	4H	26.8	27.8	27.2	28.2	28.6	26.2	27.2	26.6	27.6	28.1
	6H	27.0	27.9	27.4	28.3	28.8	26.3	27.2	26.8	27.6	28.1
	8H	27.0	27.8	27.5	28.2	28.7	26.3	27.1	26.8	27.6	28.0
	12H	27.0	27.7	27.5	28.2	28.6	26.3	27.0	26.8	27.5	28.0
8H	4H	26.9	27.7	27.4	28.2	28.6	26.3	27.1	26.8	27.6	28.1
	6H	27.2	27.8	27.6	28.3	28.8	26.5	27.1	27.0	27.6	28.1
	8H	27.2	27.8	27.7	28.3	28.8	26.4	27.0	27.0	27.5	28.0
	12H	27.1	27.7	27.7	28.2	28.7	26.4	26.9	26.9	27.4	28.0
12H	4H	26.9	27.6	27.4	28.1	28.6	26.3	27.0	26.8	27.5	28.0
	6H	27.1	27.7	27.7	28.2	28.7	26.4	27.0	27.0	27.5	28.0
	8H	27.2	27.7	27.7	28.2	28.7	26.4	27.0	26.9	27.5	28.0































(END OF REPORT)