

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: P1590623

Luminaire Tested: HCDLS510CSD6TRMW-LO-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603928B003)
Test Lab: INNOVATION CENTER
Issue Date: 9/4/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HCDLS510CSD6TRMW-LO-3000K
Description: 6" Selectable Round Trim+Matte White (paintable) 500 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

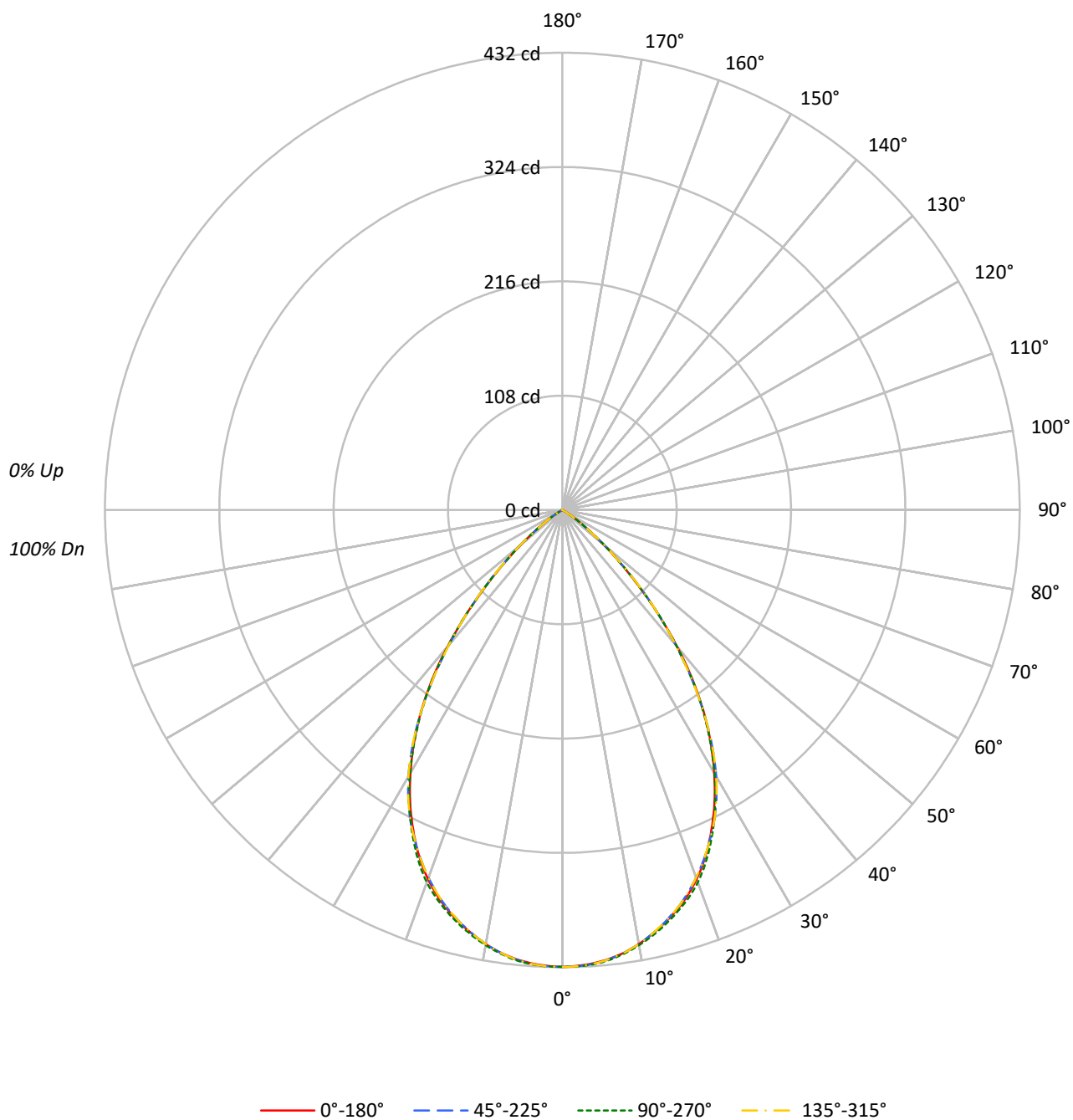
Lumens per Lamp: N/A
Luminaire Lumens: 548.7 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
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
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	94	94	92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	86	86	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	79	79	77
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	72	72	70
5	89	79	73	68	87	78	72	68	77	71	67	75	70	67	73	69	66	66	66	64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	61	61	59
7	79	68	62	57	77	68	61	57	66	61	56	65	60	56	64	59	56	56	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23666	23666	23666	23666
5°	23547	23608	23547	23608
10°	23185	23240	23185	23240
15°	22554	22656	22554	22656
20°	21649	21842	21649	21842
25°	20160	20318	20160	20318
30°	18161	18199	18161	18199
35°	15580	15493	15580	15493
40°	12065	12065	12065	12065
45°	8001	8024	8001	8024
50°	4332	4443	4332	4443
55°	1778	1759	1778	1759
60°	197	164	197	164
65°	26	26	26	26
70°	16	0	16	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8125 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	7.4
10°-20°	111.7	20.4
20°-30°	153.1	27.9
30°-40°	143.6	26.2
40°-50°	80.8	14.7
50°-60°	18.4	3.4
60°-70°	0.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	305.3	55.6
0°-40°	448.9	81.8
0°-60°	548.0	99.9
0°-90°	548.4	99.9
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	548.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	432	432	432	432	432	
5°	428	429	428	429	428	40
15°	397	399	397	399	397	112
25°	333	336	333	336	333	152
35°	233	232	233	232	233	144
45°	103	104	103	104	103	80
55°	19	18	19	18	19	19
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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°	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7
0.5°	431.5	431.6	431.8	431.7	431.6	431.7	431.8	431.6	431.5	431.6	431.8
1°	431.4	431.4	431.7	431.7	431.5	431.7	431.7	431.4	431.4	431.4	431.7
1.5°	431.2	431.3	431.5	431.5	431.4	431.5	431.5	431.3	431.2	431.3	431.5
2°	430.9	431.0	431.3	431.3	431.3	431.3	431.3	431.0	430.9	431.0	431.3
2.5°	430.6	430.7	431.0	431.1	431.1	431.1	431.0	430.7	430.6	430.7	431.0
3°	430.2	430.3	430.6	430.7	430.8	430.7	430.6	430.3	430.2	430.3	430.6
3.5°	429.7	429.9	430.1	430.4	430.5	430.4	430.1	429.9	429.7	429.9	430.1
4°	429.2	429.4	429.6	429.8	430.1	429.8	429.6	429.4	429.2	429.4	429.6
4.5°	428.6	428.7	429.0	429.3	429.6	429.3	429.0	428.7	428.6	428.7	429.0
5°	427.9	428.1	428.3	428.6	429.0	428.6	428.3	428.1	427.9	428.1	428.3
5.5°	427.2	427.3	427.5	427.8	428.2	427.8	427.5	427.3	427.2	427.3	427.5
6°	426.3	426.5	426.6	426.9	427.4	426.9	426.6	426.5	426.3	426.5	426.6
6.5°	425.4	425.7	425.7	425.9	426.5	425.9	425.7	425.7	425.4	425.7	425.7
7°	424.4	424.6	424.6	424.8	425.4	424.8	424.6	424.6	424.4	424.6	424.6
7.5°	423.3	423.6	423.5	423.6	424.2	423.6	423.5	423.6	423.3	423.6	423.5
8°	422.1	422.4	422.2	422.4	423.1	422.4	422.2	422.4	422.1	422.4	422.2
8.5°	420.8	421.2	420.9	421.1	421.8	421.1	420.9	421.2	420.8	421.2	420.9
9°	419.5	419.8	419.5	419.7	420.4	419.7	419.5	419.8	419.5	419.8	419.5
9.5°	418.0	418.4	418.0	418.3	419.1	418.3	418.0	418.4	418.0	418.4	418.0
10°	416.5	416.8	416.4	416.8	417.5	416.8	416.4	416.8	416.5	416.8	416.4
10.5°	414.8	415.1	414.7	415.3	416.0	415.3	414.7	415.1	414.8	415.1	414.7
11°	413.1	413.3	412.9	413.6	414.4	413.6	412.9	413.3	413.1	413.3	412.9
11.5°	411.3	411.5	411.1	412.0	412.7	412.0	411.1	411.5	411.3	411.5	411.1
12°	409.5	409.6	409.2	410.3	410.9	410.3	409.2	409.6	409.5	409.6	409.2
12.5°	407.6	407.6	407.2	408.5	409.1	408.5	407.2	407.6	407.6	407.6	407.2
13°	405.6	405.6	405.2	406.6	407.3	406.6	405.2	405.6	405.6	405.6	405.2
13.5°	403.7	403.4	403.2	404.8	405.4	404.8	403.2	403.4	403.7	403.4	403.2
14°	401.6	401.3	401.1	402.8	403.3	402.8	401.1	401.3	401.6	401.3	401.1
14.5°	399.6	399.0	398.9	400.7	401.3	400.7	398.9	399.0	399.6	399.0	398.9
15°	397.4	396.8	396.6	398.5	399.2	398.5	396.6	396.8	397.4	396.8	396.6
15.5°	395.1	394.4	394.4	396.4	397.1	396.4	394.4	394.4	395.1	394.4	394.4
16°	392.9	392.1	392.0	394.0	394.8	394.0	392.0	392.1	392.9	392.1	392.0
16.5°	390.6	389.5	389.6	391.5	392.6	391.5	389.6	389.5	390.6	389.5	389.6
17°	388.2	387.0	386.9	389.0	390.3	389.0	386.9	387.0	388.2	387.0	386.9
17.5°	385.6	384.4	384.3	386.4	387.9	386.4	384.3	384.4	385.6	384.4	384.3
18°	382.9	381.7	381.5	383.6	385.4	383.6	381.5	381.7	382.9	381.7	381.5
18.5°	380.1	378.9	378.7	380.9	382.8	380.9	378.7	378.9	380.1	378.9	378.7
19°	377.2	376.1	375.7	378.1	380.1	378.1	375.7	376.1	377.2	376.1	375.7
19.5°	374.2	373.1	372.7	375.2	377.4	375.2	372.7	373.1	374.2	373.1	372.7
20°	371.1	370.0	369.6	372.1	374.4	372.1	369.6	370.0	371.1	370.0	369.6
20.5°	367.8	366.8	366.5	369.0	371.1	369.0	366.5	366.8	367.8	366.8	366.5
21°	364.5	363.5	363.2	365.6	367.7	365.6	363.2	363.5	364.5	363.5	363.2
21.5°	361.0	360.1	359.8	362.2	364.2	362.2	359.8	360.1	361.0	360.1	359.8
22°	357.4	356.7	356.3	358.7	360.4	358.7	356.3	356.7	357.4	356.7	356.3

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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°	353.6	353.0	352.9	355.1	356.6	355.1	352.9	353.0	353.6	353.0	352.9
23°	349.7	349.4	349.4	351.4	352.7	351.4	349.4	349.4	349.7	349.4	349.4
23.5°	345.8	345.6	345.8	347.6	348.6	347.6	345.8	345.6	345.8	345.6	345.8
24°	341.7	341.9	342.3	343.7	344.5	343.7	342.3	341.9	341.7	341.9	342.3
24.5°	337.6	338.0	338.6	339.8	340.2	339.8	338.6	338.0	337.6	338.0	338.6
25°	333.3	334.0	334.8	335.7	335.9	335.7	334.8	334.0	333.3	334.0	334.8
25.5°	329.1	330.0	330.9	331.6	331.4	331.6	330.9	330.0	329.1	330.0	330.9
26°	324.7	326.0	327.0	327.4	326.8	327.4	327.0	326.0	324.7	326.0	327.0
26.5°	320.3	321.8	322.9	323.1	322.1	323.1	322.9	321.8	320.3	321.8	322.9
27°	315.8	317.5	318.7	318.7	317.4	318.7	318.7	317.5	315.8	317.5	318.7
27.5°	311.2	313.1	314.3	314.2	312.7	314.2	314.3	313.1	311.2	313.1	314.3
28°	306.6	308.5	309.9	309.5	307.7	309.5	309.9	308.5	306.6	308.5	309.9
28.5°	301.8	303.9	305.3	304.7	302.8	304.7	305.3	303.9	301.8	303.9	305.3
29°	297.0	299.2	300.5	299.9	297.8	299.9	300.5	299.2	297.0	299.2	300.5
29.5°	292.0	294.3	295.7	294.9	292.8	294.9	295.7	294.3	292.0	294.3	295.7
30°	286.9	289.2	290.6	289.7	287.5	289.7	290.6	289.2	286.9	289.2	290.6
30.5°	281.9	284.2	285.4	284.4	282.2	284.4	285.4	284.2	281.9	284.2	285.4
31°	276.7	278.9	280.0	279.0	276.7	279.0	280.0	278.9	276.7	278.9	280.0
31.5°	271.4	273.6	274.5	273.5	271.3	273.5	274.5	273.6	271.4	273.6	274.5
32°	266.1	268.0	268.8	267.9	265.8	267.9	268.8	268.0	266.1	268.0	268.8
32.5°	260.7	262.5	263.1	262.2	260.2	262.2	263.1	262.5	260.7	262.5	263.1
33°	255.2	256.7	257.1	256.4	254.5	256.4	257.1	256.7	255.2	256.7	257.1
33.5°	249.9	251.0	251.2	250.4	248.8	250.4	251.2	251.0	249.9	251.0	251.2
34°	244.2	245.0	245.0	244.5	243.1	244.5	245.0	245.0	244.2	245.0	245.0
34.5°	238.5	239.1	238.8	238.4	237.4	238.4	238.8	239.1	238.5	239.1	238.8
35°	232.8	232.9	232.4	232.3	231.5	232.3	232.4	232.9	232.8	232.9	232.4
35.5°	226.9	226.7	226.0	226.0	225.7	226.0	226.0	226.7	226.9	226.7	226.0
36°	220.7	220.4	219.4	219.8	219.8	219.8	219.4	220.4	220.7	220.4	219.4
36.5°	214.6	214.1	212.9	213.5	213.8	213.5	212.9	214.1	214.6	214.1	212.9
37°	208.4	207.6	206.2	207.2	207.6	207.2	206.2	207.6	208.4	207.6	206.2
37.5°	202.0	201.1	199.6	200.8	201.2	200.8	199.6	201.1	202.0	201.1	199.6
38°	195.5	194.6	193.1	194.3	194.5	194.3	193.1	194.6	195.5	194.6	193.1
38.5°	189.0	188.1	186.5	187.8	188.0	187.8	186.5	188.1	189.0	188.1	186.5
39°	182.4	181.2	180.0	181.2	181.5	181.2	180.0	181.2	182.4	181.2	180.0
39.5°	175.5	174.5	173.5	174.7	175.0	174.7	173.5	174.5	175.5	174.5	173.5
40°	168.6	168.0	167.1	168.0	168.6	168.0	167.1	168.0	168.6	168.0	167.1
40.5°	161.9	161.6	160.7	161.4	162.1	161.4	160.7	161.6	161.9	161.6	160.7
41°	155.1	155.1	154.2	154.8	155.4	154.8	154.2	155.1	155.1	155.1	154.2
41.5°	148.3	148.5	147.7	148.3	148.7	148.3	147.7	148.5	148.3	148.5	147.7
42°	141.6	141.9	141.3	141.8	142.1	141.8	141.3	141.9	141.6	141.9	141.3
42.5°	135.0	135.3	135.0	135.5	135.4	135.5	135.0	135.3	135.0	135.3	135.0
43°	128.5	128.8	128.8	129.2	128.8	129.2	128.8	128.8	128.5	128.8	128.8
43.5°	122.0	122.4	122.7	123.0	122.2	123.0	122.7	122.4	122.0	122.4	122.7
44°	115.7	115.9	116.5	116.8	115.8	116.8	116.5	115.9	115.7	115.9	116.5
44.5°	109.4	109.8	110.6	110.9	109.6	110.9	110.6	109.8	109.4	109.8	110.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	103.2	103.7	104.8	104.8	103.5	104.8	104.8	103.7	103.2	103.7	104.8
45.5°	97.1	97.8	99.0	98.9	97.6	98.9	99.0	97.8	97.1	97.8	99.0
46°	91.1	92.0	93.2	93.1	91.7	93.1	93.2	92.0	91.1	92.0	93.2
46.5°	85.4	86.3	87.5	87.5	86.1	87.5	87.5	86.3	85.4	86.3	87.5
47°	79.8	80.8	81.9	81.9	80.7	81.9	81.9	80.8	79.8	80.8	81.9
47.5°	74.4	75.4	76.4	76.6	75.4	76.6	76.4	75.4	74.4	75.4	76.4
48°	69.1	70.2	71.1	71.3	70.3	71.3	71.1	70.2	69.1	70.2	71.1
48.5°	64.2	65.1	65.9	66.3	65.4	66.3	65.9	65.1	64.2	65.1	65.9
49°	59.5	60.3	60.9	61.3	60.7	61.3	60.9	60.3	59.5	60.3	60.9
49.5°	55.1	55.7	56.2	56.7	56.3	56.7	56.2	55.7	55.1	55.7	56.2
50°	50.8	51.3	51.7	52.3	52.1	52.3	51.7	51.3	50.8	51.3	51.7
50.5°	46.6	47.0	47.3	47.9	48.0	47.9	47.3	47.0	46.6	47.0	47.3
51°	42.6	42.8	42.9	43.7	43.9	43.7	42.9	42.8	42.6	42.8	42.9
51.5°	39.0	38.8	38.8	39.8	40.1	39.8	38.8	38.8	39.0	38.8	38.8
52°	35.5	35.2	35.0	35.9	36.2	35.9	35.0	35.2	35.5	35.2	35.0
52.5°	32.3	31.8	31.4	32.4	32.8	32.4	31.4	31.8	32.3	31.8	31.4
53°	29.2	28.7	28.2	29.3	29.5	29.3	28.2	28.7	29.2	28.7	28.2
53.5°	26.3	25.8	25.3	26.2	26.4	26.2	25.3	25.8	26.3	25.8	25.3
54°	23.5	23.0	22.6	23.4	23.6	23.4	22.6	23.0	23.5	23.0	22.6
54.5°	21.0	20.5	20.1	20.8	20.9	20.8	20.1	20.5	21.0	20.5	20.1
55°	18.6	18.2	17.8	18.3	18.4	18.3	17.8	18.2	18.6	18.2	17.8
55.5°	16.3	16.0	15.7	16.0	16.0	16.0	15.7	16.0	16.3	16.0	15.7
56°	14.3	14.0	13.7	14.0	14.0	14.0	13.7	14.0	14.3	14.0	13.7
56.5°	12.4	12.2	11.9	12.1	12.1	12.1	11.9	12.2	12.4	12.2	11.9
57°	10.6	10.5	10.2	10.2	10.3	10.2	10.2	10.5	10.6	10.5	10.2
57.5°	8.8	8.8	8.4	8.4	8.5	8.4	8.4	8.8	8.8	8.8	8.4
58°	7.0	7.1	6.8	6.8	6.7	6.8	6.8	7.1	7.0	7.1	6.8
58.5°	5.5	5.5	5.1	5.2	5.1	5.2	5.1	5.5	5.5	5.5	5.1
59°	3.9	4.0	3.5	3.6	3.5	3.6	3.5	4.0	3.9	4.0	3.5
59.5°	2.7	2.7	2.2	2.2	2.4	2.2	2.2	2.7	2.7	2.7	2.2
60°	1.8	1.8	1.5	1.4	1.5	1.4	1.5	1.8	1.8	1.8	1.5
60.5°	1.1	1.3	1.0	0.9	1.2	0.9	1.0	1.3	1.1	1.3	1.0
61°	0.9	1.0	0.8	0.7	1.0	0.7	0.8	1.0	0.9	1.0	0.8
61.5°	0.8	0.8	0.6	0.6	0.8	0.6	0.6	0.8	0.8	0.8	0.6
62°	0.6	0.6	0.5	0.4	0.5	0.4	0.5	0.6	0.6	0.6	0.5
62.5°	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.5	0.4	0.5	0.4
63°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
63.5°	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
64°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
64.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
66.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
67°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
68°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
68.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
71°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
71.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

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: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

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	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	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: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

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°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
148.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
157°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	431.7	431.7	431.7	431.7	431.7	431.7
0.5°	431.7	431.6	431.7	431.8	431.6	431.5
1°	431.7	431.5	431.7	431.7	431.4	431.4
1.5°	431.5	431.4	431.5	431.5	431.3	431.2
2°	431.3	431.3	431.3	431.3	431.0	430.9
2.5°	431.1	431.1	431.1	431.0	430.7	430.6
3°	430.7	430.8	430.7	430.6	430.3	430.2
3.5°	430.4	430.5	430.4	430.1	429.9	429.7
4°	429.8	430.1	429.8	429.6	429.4	429.2
4.5°	429.3	429.6	429.3	429.0	428.7	428.6
5°	428.6	429.0	428.6	428.3	428.1	427.9
5.5°	427.8	428.2	427.8	427.5	427.3	427.2
6°	426.9	427.4	426.9	426.6	426.5	426.3
6.5°	425.9	426.5	425.9	425.7	425.7	425.4
7°	424.8	425.4	424.8	424.6	424.6	424.4
7.5°	423.6	424.2	423.6	423.5	423.6	423.3
8°	422.4	423.1	422.4	422.2	422.4	422.1
8.5°	421.1	421.8	421.1	420.9	421.2	420.8
9°	419.7	420.4	419.7	419.5	419.8	419.5
9.5°	418.3	419.1	418.3	418.0	418.4	418.0
10°	416.8	417.5	416.8	416.4	416.8	416.5
10.5°	415.3	416.0	415.3	414.7	415.1	414.8
11°	413.6	414.4	413.6	412.9	413.3	413.1
11.5°	412.0	412.7	412.0	411.1	411.5	411.3
12°	410.3	410.9	410.3	409.2	409.6	409.5
12.5°	408.5	409.1	408.5	407.2	407.6	407.6
13°	406.6	407.3	406.6	405.2	405.6	405.6
13.5°	404.8	405.4	404.8	403.2	403.4	403.7
14°	402.8	403.3	402.8	401.1	401.3	401.6
14.5°	400.7	401.3	400.7	398.9	399.0	399.6
15°	398.5	399.2	398.5	396.6	396.8	397.4
15.5°	396.4	397.1	396.4	394.4	394.4	395.1
16°	394.0	394.8	394.0	392.0	392.1	392.9
16.5°	391.5	392.6	391.5	389.6	389.5	390.6
17°	389.0	390.3	389.0	386.9	387.0	388.2
17.5°	386.4	387.9	386.4	384.3	384.4	385.6
18°	383.6	385.4	383.6	381.5	381.7	382.9
18.5°	380.9	382.8	380.9	378.7	378.9	380.1
19°	378.1	380.1	378.1	375.7	376.1	377.2
19.5°	375.2	377.4	375.2	372.7	373.1	374.2
20°	372.1	374.4	372.1	369.6	370.0	371.1
20.5°	369.0	371.1	369.0	366.5	366.8	367.8
21°	365.6	367.7	365.6	363.2	363.5	364.5
21.5°	362.2	364.2	362.2	359.8	360.1	361.0
22°	358.7	360.4	358.7	356.3	356.7	357.4

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	355.1	356.6	355.1	352.9	353.0	353.6
23°	351.4	352.7	351.4	349.4	349.4	349.7
23.5°	347.6	348.6	347.6	345.8	345.6	345.8
24°	343.7	344.5	343.7	342.3	341.9	341.7
24.5°	339.8	340.2	339.8	338.6	338.0	337.6
25°	335.7	335.9	335.7	334.8	334.0	333.3
25.5°	331.6	331.4	331.6	330.9	330.0	329.1
26°	327.4	326.8	327.4	327.0	326.0	324.7
26.5°	323.1	322.1	323.1	322.9	321.8	320.3
27°	318.7	317.4	318.7	318.7	317.5	315.8
27.5°	314.2	312.7	314.2	314.3	313.1	311.2
28°	309.5	307.7	309.5	309.9	308.5	306.6
28.5°	304.7	302.8	304.7	305.3	303.9	301.8
29°	299.9	297.8	299.9	300.5	299.2	297.0
29.5°	294.9	292.8	294.9	295.7	294.3	292.0
30°	289.7	287.5	289.7	290.6	289.2	286.9
30.5°	284.4	282.2	284.4	285.4	284.2	281.9
31°	279.0	276.7	279.0	280.0	278.9	276.7
31.5°	273.5	271.3	273.5	274.5	273.6	271.4
32°	267.9	265.8	267.9	268.8	268.0	266.1
32.5°	262.2	260.2	262.2	263.1	262.5	260.7
33°	256.4	254.5	256.4	257.1	256.7	255.2
33.5°	250.4	248.8	250.4	251.2	251.0	249.9
34°	244.5	243.1	244.5	245.0	245.0	244.2
34.5°	238.4	237.4	238.4	238.8	239.1	238.5
35°	232.3	231.5	232.3	232.4	232.9	232.8
35.5°	226.0	225.7	226.0	226.0	226.7	226.9
36°	219.8	219.8	219.8	219.4	220.4	220.7
36.5°	213.5	213.8	213.5	212.9	214.1	214.6
37°	207.2	207.6	207.2	206.2	207.6	208.4
37.5°	200.8	201.2	200.8	199.6	201.1	202.0
38°	194.3	194.5	194.3	193.1	194.6	195.5
38.5°	187.8	188.0	187.8	186.5	188.1	189.0
39°	181.2	181.5	181.2	180.0	181.2	182.4
39.5°	174.7	175.0	174.7	173.5	174.5	175.5
40°	168.0	168.6	168.0	167.1	168.0	168.6
40.5°	161.4	162.1	161.4	160.7	161.6	161.9
41°	154.8	155.4	154.8	154.2	155.1	155.1
41.5°	148.3	148.7	148.3	147.7	148.5	148.3
42°	141.8	142.1	141.8	141.3	141.9	141.6
42.5°	135.5	135.4	135.5	135.0	135.3	135.0
43°	129.2	128.8	129.2	128.8	128.8	128.5
43.5°	123.0	122.2	123.0	122.7	122.4	122.0
44°	116.8	115.8	116.8	116.5	115.9	115.7
44.5°	110.9	109.6	110.9	110.6	109.8	109.4

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	104.8	103.5	104.8	104.8	103.7	103.2
45.5°	98.9	97.6	98.9	99.0	97.8	97.1
46°	93.1	91.7	93.1	93.2	92.0	91.1
46.5°	87.5	86.1	87.5	87.5	86.3	85.4
47°	81.9	80.7	81.9	81.9	80.8	79.8
47.5°	76.6	75.4	76.6	76.4	75.4	74.4
48°	71.3	70.3	71.3	71.1	70.2	69.1
48.5°	66.3	65.4	66.3	65.9	65.1	64.2
49°	61.3	60.7	61.3	60.9	60.3	59.5
49.5°	56.7	56.3	56.7	56.2	55.7	55.1
50°	52.3	52.1	52.3	51.7	51.3	50.8
50.5°	47.9	48.0	47.9	47.3	47.0	46.6
51°	43.7	43.9	43.7	42.9	42.8	42.6
51.5°	39.8	40.1	39.8	38.8	38.8	39.0
52°	35.9	36.2	35.9	35.0	35.2	35.5
52.5°	32.4	32.8	32.4	31.4	31.8	32.3
53°	29.3	29.5	29.3	28.2	28.7	29.2
53.5°	26.2	26.4	26.2	25.3	25.8	26.3
54°	23.4	23.6	23.4	22.6	23.0	23.5
54.5°	20.8	20.9	20.8	20.1	20.5	21.0
55°	18.3	18.4	18.3	17.8	18.2	18.6
55.5°	16.0	16.0	16.0	15.7	16.0	16.3
56°	14.0	14.0	14.0	13.7	14.0	14.3
56.5°	12.1	12.1	12.1	11.9	12.2	12.4
57°	10.2	10.3	10.2	10.2	10.5	10.6
57.5°	8.4	8.5	8.4	8.4	8.8	8.8
58°	6.8	6.7	6.8	6.8	7.1	7.0
58.5°	5.2	5.1	5.2	5.1	5.5	5.5
59°	3.6	3.5	3.6	3.5	4.0	3.9
59.5°	2.2	2.4	2.2	2.2	2.7	2.7
60°	1.4	1.5	1.4	1.5	1.8	1.8
60.5°	0.9	1.2	0.9	1.0	1.3	1.1
61°	0.7	1.0	0.7	0.8	1.0	0.9
61.5°	0.6	0.8	0.6	0.6	0.8	0.8
62°	0.4	0.5	0.4	0.5	0.6	0.6
62.5°	0.3	0.3	0.3	0.4	0.5	0.4
63°	0.3	0.3	0.3	0.3	0.4	0.4
63.5°	0.2	0.2	0.2	0.3	0.3	0.3
64°	0.2	0.2	0.2	0.2	0.3	0.3
64.5°	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2
65.5°	0.1	0.1	0.1	0.2	0.2	0.2
66°	0.1	0.1	0.1	0.1	0.2	0.2
66.5°	0.1	0.1	0.1	0.1	0.1	0.2
67°	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.1	0.1	0.1	0.1	0.1	0.1
68°	0.1	0.1	0.1	0.1	0.1	0.1
68.5°	0.1	0.1	0.1	0.1	0.1	0.1
69°	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.0	0.0	0.0	0.1	0.1	0.1
70.5°	0.0	0.0	0.0	0.0	0.1	0.1
71°	0.0	0.0	0.0	0.0	0.0	0.1
71.5°	0.0	0.0	0.0	0.0	0.0	0.0
72°	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0
73°	0.0	0.0	0.0	0.0	0.0	0.0
73.5°	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

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
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: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

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	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.0	0.0	0.0	0.0	0.0	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	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: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

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	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.2	0.2	0.2	0.2	0.2	0.2
151°	0.2	0.2	0.2	0.2	0.2	0.2
151.5°	0.2	0.2	0.2	0.2	0.2	0.2
152°	0.2	0.2	0.2	0.2	0.2	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.2	0.2	0.2	0.2	0.2	0.2
156°	0.2	0.2	0.2	0.2	0.2	0.2
156.5°	0.2	0.2	0.2	0.2	0.2	0.2
157°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590623

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-3000K

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	3.9	5.0	4.2	5.3	5.6	3.6	4.7	3.9	5.0	5.3
	3H	3.7	4.7	4.1	5.0	5.4	3.4	4.4	3.8	4.7	5.1
	4H	3.6	4.5	4.0	4.9	5.2	3.3	4.2	3.7	4.6	4.9
	6H	3.5	4.3	3.9	4.7	5.1	3.2	4.0	3.6	4.4	4.8
	8H	3.4	4.2	3.9	4.6	5.0	3.1	3.9	3.6	4.3	4.7
	12H	3.4	4.1	3.8	4.5	5.0	3.1	3.8	3.5	4.2	4.6
4H	2H	3.6	4.5	4.0	4.9	5.2	3.3	4.2	3.7	4.6	4.9
	3H	3.4	4.1	3.8	4.6	5.0	3.1	3.8	3.5	4.3	4.7
	4H	3.3	4.0	3.8	4.4	4.8	3.0	3.7	3.4	4.1	4.5
	6H	3.2	3.8	3.7	4.2	4.7	2.9	3.5	3.4	3.9	4.4
	8H	3.1	3.7	3.6	4.1	4.6	2.8	3.4	3.3	3.8	4.3
	12H	3.1	3.5	3.6	4.0	4.5	2.8	3.2	3.3	3.7	4.2
8H	4H	3.1	3.7	3.6	4.1	4.6	2.8	3.4	3.3	3.8	4.3
	6H	3.0	3.4	3.5	3.9	4.4	2.7	3.1	3.2	3.6	4.1
	8H	2.9	3.3	3.5	3.8	4.3	2.6	3.0	3.2	3.5	4.0
	12H	2.9	3.2	3.4	3.7	4.3	2.6	2.9	3.1	3.4	4.0
12H	4H	3.1	3.5	3.6	4.0	4.5	2.8	3.2	3.3	3.7	4.2
	6H	2.9	3.3	3.5	3.8	4.3	2.6	3.0	3.2	3.5	4.0
	8H	2.9	3.2	3.4	3.7	4.3	2.6	2.9	3.1	3.4	4.0

(END OF REPORT)