

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: P1590608

Luminaire Tested: HCDLS510CSD6TRH-LO-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590608
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: HCDLS510CSD6TRH-LO-3000K
Description: 6" Selectable Round Trim+ Haze (Semi-specular) 500 Lumens 3000K

Light Source:
Ballast/Driver: -

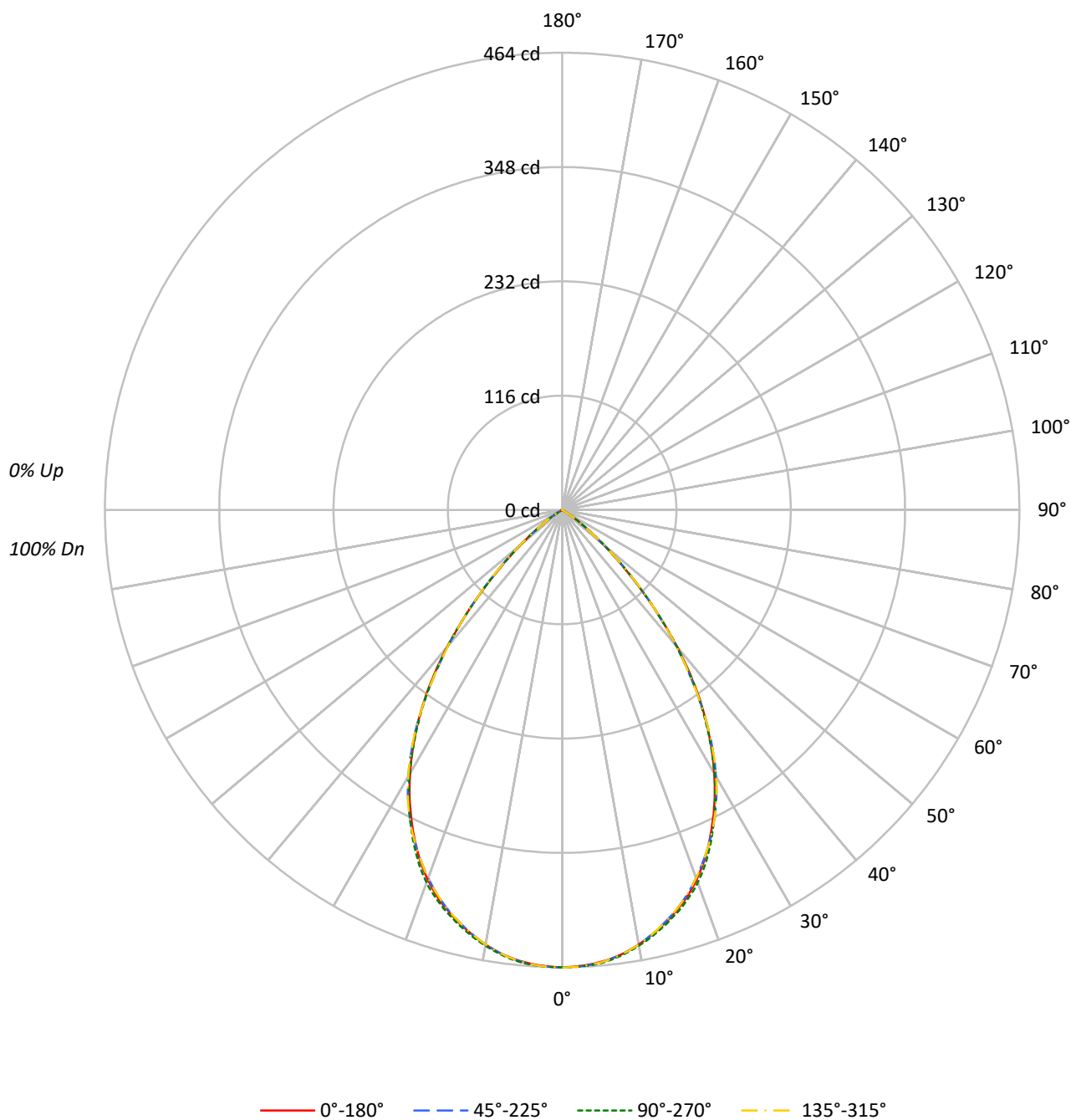
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 98.3 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: 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
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°	25448	25448	25448	25448
5°	25319	25385	25319	25385
10°	24927	24994	24927	24994
15°	24251	24359	24251	24359
20°	23277	23481	23277	23481
25°	21679	21842	21679	21842
30°	19528	19566	19528	19566
35°	16751	16664	16751	16664
40°	12974	12974	12974	12974
45°	8606	8629	8606	8629
50°	4665	4776	4665	4776
55°	1912	1892	1912	1892
60°	208	175	208	175
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: 8737 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	7.4
10°-20°	120.1	20.4
20°-30°	164.6	27.9
30°-40°	154.4	26.2
40°-50°	86.9	14.7
50°-60°	19.8	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°	328.3	55.6
0°-40°	482.7	81.8
0°-60°	589.3	99.9
0°-90°	589.6	99.9
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	464	464	464	464	464	
5°	460	461	460	461	460	44
15°	427	429	427	429	427	120
25°	358	361	358	361	358	164
35°	250	249	250	249	250	154
45°	111	111	111	111	111	86
55°	20	20	20	20	20	20
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°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
0.5°	464.0	464.1	464.3	464.2	464.1	464.2	464.3	464.1	464.0	464.1	464.3
1°	463.9	463.9	464.2	464.1	464.0	464.1	464.2	463.9	463.9	463.9	464.2
1.5°	463.6	463.7	464.0	464.0	463.9	464.0	464.0	463.7	463.6	463.7	464.0
2°	463.3	463.5	463.8	463.8	463.8	463.8	463.8	463.5	463.3	463.5	463.8
2.5°	463.0	463.1	463.4	463.5	463.5	463.5	463.4	463.1	463.0	463.1	463.4
3°	462.6	462.7	463.0	463.2	463.3	463.2	463.0	462.7	462.6	462.7	463.0
3.5°	462.1	462.2	462.5	462.7	462.9	462.7	462.5	462.2	462.1	462.2	462.5
4°	461.5	461.7	461.9	462.2	462.5	462.2	461.9	461.7	461.5	461.7	461.9
4.5°	460.9	461.0	461.3	461.6	461.9	461.6	461.3	461.0	460.9	461.0	461.3
5°	460.1	460.3	460.6	460.9	461.3	460.9	460.6	460.3	460.1	460.3	460.6
5.5°	459.3	459.5	459.7	460.0	460.5	460.0	459.7	459.5	459.3	459.5	459.7
6°	458.4	458.6	458.8	459.0	459.6	459.0	458.8	458.6	458.4	458.6	458.8
6.5°	457.4	457.7	457.7	458.0	458.6	458.0	457.7	457.7	457.4	457.7	457.7
7°	456.4	456.6	456.5	456.8	457.4	456.8	456.5	456.6	456.4	456.6	456.5
7.5°	455.2	455.5	455.3	455.5	456.2	455.5	455.3	455.5	455.2	455.5	455.3
8°	453.9	454.2	454.0	454.2	454.9	454.2	454.0	454.2	453.9	454.2	454.0
8.5°	452.5	452.9	452.6	452.8	453.5	452.8	452.6	452.9	452.5	452.9	452.6
9°	451.1	451.4	451.1	451.3	452.1	451.3	451.1	451.4	451.1	451.4	451.1
9.5°	449.4	449.8	449.5	449.8	450.6	449.8	449.5	449.8	449.4	449.8	449.5
10°	447.8	448.2	447.7	448.1	449.0	448.1	447.7	448.2	447.8	448.2	447.7
10.5°	446.0	446.3	445.9	446.5	447.3	446.5	445.9	446.3	446.0	446.3	445.9
11°	444.2	444.4	444.0	444.8	445.6	444.8	444.0	444.4	444.2	444.4	444.0
11.5°	442.3	442.5	442.0	443.0	443.8	443.0	442.0	442.5	442.3	442.5	442.0
12°	440.3	440.4	440.0	441.2	441.9	441.2	440.0	440.4	440.3	440.4	440.0
12.5°	438.2	438.2	437.9	439.2	439.9	439.2	437.9	438.2	438.2	438.2	437.9
13°	436.2	436.1	435.7	437.3	437.9	437.3	435.7	436.1	436.2	436.1	435.7
13.5°	434.0	433.8	433.5	435.3	435.9	435.3	433.5	433.8	434.0	433.8	433.5
14°	431.9	431.5	431.2	433.1	433.7	433.1	431.2	431.5	431.9	431.5	431.2
14.5°	429.6	429.1	428.9	430.9	431.5	430.9	428.9	429.1	429.6	429.1	428.9
15°	427.3	426.6	426.5	428.5	429.2	428.5	426.5	426.6	427.3	426.6	426.5
15.5°	424.9	424.1	424.1	426.2	427.0	426.2	424.1	424.1	424.9	424.1	424.1
16°	422.4	421.6	421.6	423.7	424.6	423.7	421.6	421.6	422.4	421.6	421.6
16.5°	420.0	418.8	418.9	421.0	422.2	421.0	418.9	418.8	420.0	418.8	418.9
17°	417.4	416.1	416.1	418.3	419.7	418.3	416.1	416.1	417.4	416.1	416.1
17.5°	414.7	413.3	413.2	415.4	417.1	415.4	413.2	413.3	414.7	413.3	413.2
18°	411.8	410.5	410.3	412.5	414.4	412.5	410.3	410.5	411.8	410.5	410.3
18.5°	408.7	407.4	407.2	409.6	411.6	409.6	407.2	407.4	408.7	407.4	407.2
19°	405.6	404.4	404.0	406.6	408.7	406.6	404.0	404.4	405.6	404.4	404.0
19.5°	402.4	401.1	400.8	403.4	405.8	403.4	400.8	401.1	402.4	401.1	400.8
20°	399.0	397.9	397.5	400.1	402.5	400.1	397.5	397.9	399.0	397.9	397.5
20.5°	395.5	394.5	394.1	396.8	399.0	396.8	394.1	394.5	395.5	394.5	394.1
21°	391.9	390.9	390.5	393.2	395.4	393.2	390.5	390.9	391.9	390.9	390.5
21.5°	388.2	387.2	386.8	389.5	391.6	389.5	386.8	387.2	388.2	387.2	386.8
22°	384.3	383.5	383.2	385.7	387.6	385.7	383.2	383.5	384.3	383.5	383.2

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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°	380.2	379.6	379.5	381.8	383.4	381.8	379.5	379.6	380.2	379.6	379.5
23°	376.1	375.7	375.7	377.8	379.2	377.8	375.7	375.7	376.1	375.7	375.7
23.5°	371.8	371.6	371.9	373.7	374.9	373.7	371.9	371.6	371.8	371.6	371.9
24°	367.4	367.6	368.1	369.6	370.4	369.6	368.1	367.6	367.4	367.6	368.1
24.5°	363.0	363.4	364.1	365.4	365.8	365.4	364.1	363.4	363.0	363.4	364.1
25°	358.4	359.2	360.0	361.0	361.1	361.0	360.0	359.2	358.4	359.2	360.0
25.5°	353.8	354.9	355.9	356.6	356.3	356.6	355.9	354.9	353.8	354.9	355.9
26°	349.2	350.5	351.6	352.0	351.4	352.0	351.6	350.5	349.2	350.5	351.6
26.5°	344.4	346.0	347.2	347.4	346.4	347.4	347.2	346.0	344.4	346.0	347.2
27°	339.5	341.4	342.7	342.6	341.3	342.6	342.7	341.4	339.5	341.4	342.7
27.5°	334.7	336.6	338.0	337.8	336.2	337.8	338.0	336.6	334.7	336.6	338.0
28°	329.7	331.8	333.2	332.8	330.9	332.8	333.2	331.8	329.7	331.8	333.2
28.5°	324.5	326.8	328.2	327.7	325.6	327.7	328.2	326.8	324.5	326.8	328.2
29°	319.3	321.7	323.1	322.4	320.3	322.4	323.1	321.7	319.3	321.7	323.1
29.5°	313.9	316.4	317.9	317.1	314.8	317.1	317.9	316.4	313.9	316.4	317.9
30°	308.5	311.0	312.5	311.5	309.1	311.5	312.5	311.0	308.5	311.0	312.5
30.5°	303.1	305.5	306.8	305.8	303.5	305.8	306.8	305.5	303.1	305.5	306.8
31°	297.5	299.9	301.1	300.0	297.6	300.0	301.1	299.9	297.5	299.9	301.1
31.5°	291.8	294.2	295.2	294.1	291.7	294.1	295.2	294.2	291.8	294.2	295.2
32°	286.1	288.2	289.0	288.0	285.8	288.0	289.0	288.2	286.1	288.2	289.0
32.5°	280.4	282.3	282.9	281.9	279.7	281.9	282.9	282.3	280.4	282.3	282.9
33°	274.5	276.1	276.5	275.7	273.7	275.7	276.5	276.1	274.5	276.1	276.5
33.5°	268.7	269.9	270.1	269.3	267.5	269.3	270.1	269.9	268.7	269.9	270.1
34°	262.6	263.5	263.4	262.9	261.4	262.9	263.4	263.5	262.6	263.5	263.4
34.5°	256.5	257.1	256.8	256.3	255.2	256.3	256.8	257.1	256.5	257.1	256.8
35°	250.3	250.4	249.9	249.8	249.0	249.8	249.9	250.4	250.3	250.4	249.9
35.5°	244.0	243.8	243.0	243.1	242.7	243.1	243.0	243.8	244.0	243.8	243.0
36°	237.3	237.0	235.9	236.3	236.3	236.3	235.9	237.0	237.3	237.0	235.9
36.5°	230.8	230.2	229.0	229.5	229.9	229.5	229.0	230.2	230.8	230.2	229.0
37°	224.1	223.3	221.8	222.8	223.2	222.8	221.8	223.3	224.1	223.3	221.8
37.5°	217.2	216.3	214.6	215.9	216.4	215.9	214.6	216.3	217.2	216.3	214.6
38°	210.2	209.2	207.6	209.0	209.1	209.0	207.6	209.2	210.2	209.2	207.6
38.5°	203.2	202.2	200.5	201.9	202.1	201.9	200.5	202.2	203.2	202.2	200.5
39°	196.1	194.8	193.5	194.9	195.1	194.9	193.5	194.8	196.1	194.8	193.5
39.5°	188.7	187.7	186.6	187.8	188.2	187.8	186.6	187.7	188.7	187.7	186.6
40°	181.3	180.7	179.7	180.7	181.3	180.7	179.7	180.7	181.3	180.7	179.7
40.5°	174.1	173.7	172.8	173.6	174.3	173.6	172.8	173.7	174.1	173.7	172.8
41°	166.8	166.7	165.8	166.5	167.1	166.5	165.8	166.7	166.8	166.7	165.8
41.5°	159.5	159.7	158.8	159.4	159.9	159.4	158.8	159.7	159.5	159.7	158.8
42°	152.3	152.6	151.9	152.5	152.8	152.5	151.9	152.6	152.3	152.6	151.9
42.5°	145.1	145.5	145.2	145.7	145.6	145.7	145.2	145.5	145.1	145.5	145.2
43°	138.1	138.5	138.5	138.9	138.5	138.9	138.5	138.5	138.1	138.5	138.5
43.5°	131.2	131.6	131.9	132.2	131.4	132.2	131.9	131.6	131.2	131.6	131.9
44°	124.4	124.6	125.3	125.6	124.5	125.6	125.3	124.6	124.4	124.6	125.3
44.5°	117.6	118.0	118.9	119.2	117.9	119.2	118.9	118.0	117.6	118.0	118.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	111.0	111.5	112.7	112.7	111.3	112.7	112.7	111.5	111.0	111.5	112.7
45.5°	104.4	105.2	106.4	106.3	104.9	106.3	106.4	105.2	104.4	105.2	106.4
46°	98.0	98.9	100.2	100.1	98.6	100.1	100.2	98.9	98.0	98.9	100.2
46.5°	91.8	92.8	94.1	94.0	92.6	94.0	94.1	92.8	91.8	92.8	94.1
47°	85.8	86.9	88.1	88.1	86.8	88.1	88.1	86.9	85.8	86.9	88.1
47.5°	80.0	81.1	82.2	82.3	81.1	82.3	82.2	81.1	80.0	81.1	82.2
48°	74.3	75.5	76.5	76.6	75.6	76.6	76.5	75.5	74.3	75.5	76.5
48.5°	69.0	70.0	70.8	71.2	70.3	71.2	70.8	70.0	69.0	70.0	70.8
49°	63.9	64.8	65.4	66.0	65.3	66.0	65.4	64.8	63.9	64.8	65.4
49.5°	59.2	59.9	60.4	60.9	60.5	60.9	60.4	59.9	59.2	59.9	60.4
50°	54.7	55.2	55.6	56.2	56.0	56.2	55.6	55.2	54.7	55.2	55.6
50.5°	50.2	50.5	50.8	51.5	51.6	51.5	50.8	50.5	50.2	50.5	50.8
51°	45.8	46.0	46.2	47.0	47.2	47.0	46.2	46.0	45.8	46.0	46.2
51.5°	42.0	41.7	41.7	42.8	43.1	42.8	41.7	41.7	42.0	41.7	41.7
52°	38.2	37.9	37.6	38.6	39.0	38.6	37.6	37.9	38.2	37.9	37.6
52.5°	34.7	34.2	33.8	34.9	35.2	34.9	33.8	34.2	34.7	34.2	33.8
53°	31.4	30.8	30.3	31.5	31.8	31.5	30.3	30.8	31.4	30.8	30.3
53.5°	28.3	27.7	27.2	28.2	28.4	28.2	27.2	27.7	28.3	27.7	27.2
54°	25.3	24.8	24.3	25.2	25.3	25.2	24.3	24.8	25.3	24.8	24.3
54.5°	22.6	22.0	21.6	22.3	22.5	22.3	21.6	22.0	22.6	22.0	21.6
55°	20.0	19.5	19.1	19.7	19.8	19.7	19.1	19.5	20.0	19.5	19.1
55.5°	17.5	17.2	16.9	17.2	17.2	17.2	16.9	17.2	17.5	17.2	16.9
56°	15.4	15.1	14.8	15.0	15.0	15.0	14.8	15.1	15.4	15.1	14.8
56.5°	13.3	13.2	12.8	13.0	13.0	13.0	12.8	13.2	13.3	13.2	12.8
57°	11.4	11.3	10.9	11.0	11.1	11.0	10.9	11.3	11.4	11.3	10.9
57.5°	9.5	9.4	9.1	9.1	9.1	9.1	9.1	9.4	9.5	9.4	9.1
58°	7.6	7.6	7.3	7.3	7.2	7.3	7.3	7.6	7.6	7.6	7.3
58.5°	5.9	5.9	5.5	5.5	5.5	5.5	5.5	5.9	5.9	5.9	5.5
59°	4.1	4.3	3.8	3.8	3.8	3.8	3.8	4.3	4.1	4.3	3.8
59.5°	2.9	2.9	2.4	2.4	2.6	2.4	2.4	2.9	2.9	2.9	2.4
60°	1.9	1.9	1.6	1.5	1.6	1.5	1.6	1.9	1.9	1.9	1.6
60.5°	1.2	1.4	1.1	1.0	1.3	1.0	1.1	1.4	1.2	1.4	1.1
61°	1.0	1.1	0.8	0.8	1.1	0.8	0.8	1.1	1.0	1.1	0.8
61.5°	0.8	0.9	0.6	0.6	0.8	0.6	0.6	0.9	0.8	0.9	0.6
62°	0.6	0.7	0.5	0.5	0.6	0.5	0.5	0.7	0.6	0.7	0.5
62.5°	0.5	0.5	0.4	0.3	0.3	0.3	0.4	0.5	0.5	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
64°	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
64.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
66.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
146.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590608
CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	464.2	464.2	464.2	464.2	464.2	464.2
0.5°	464.2	464.1	464.2	464.3	464.1	464.0
1°	464.1	464.0	464.1	464.2	463.9	463.9
1.5°	464.0	463.9	464.0	464.0	463.7	463.6
2°	463.8	463.8	463.8	463.8	463.5	463.3
2.5°	463.5	463.5	463.5	463.4	463.1	463.0
3°	463.2	463.3	463.2	463.0	462.7	462.6
3.5°	462.7	462.9	462.7	462.5	462.2	462.1
4°	462.2	462.5	462.2	461.9	461.7	461.5
4.5°	461.6	461.9	461.6	461.3	461.0	460.9
5°	460.9	461.3	460.9	460.6	460.3	460.1
5.5°	460.0	460.5	460.0	459.7	459.5	459.3
6°	459.0	459.6	459.0	458.8	458.6	458.4
6.5°	458.0	458.6	458.0	457.7	457.7	457.4
7°	456.8	457.4	456.8	456.5	456.6	456.4
7.5°	455.5	456.2	455.5	455.3	455.5	455.2
8°	454.2	454.9	454.2	454.0	454.2	453.9
8.5°	452.8	453.5	452.8	452.6	452.9	452.5
9°	451.3	452.1	451.3	451.1	451.4	451.1
9.5°	449.8	450.6	449.8	449.5	449.8	449.4
10°	448.1	449.0	448.1	447.7	448.2	447.8
10.5°	446.5	447.3	446.5	445.9	446.3	446.0
11°	444.8	445.6	444.8	444.0	444.4	444.2
11.5°	443.0	443.8	443.0	442.0	442.5	442.3
12°	441.2	441.9	441.2	440.0	440.4	440.3
12.5°	439.2	439.9	439.2	437.9	438.2	438.2
13°	437.3	437.9	437.3	435.7	436.1	436.2
13.5°	435.3	435.9	435.3	433.5	433.8	434.0
14°	433.1	433.7	433.1	431.2	431.5	431.9
14.5°	430.9	431.5	430.9	428.9	429.1	429.6
15°	428.5	429.2	428.5	426.5	426.6	427.3
15.5°	426.2	427.0	426.2	424.1	424.1	424.9
16°	423.7	424.6	423.7	421.6	421.6	422.4
16.5°	421.0	422.2	421.0	418.9	418.8	420.0
17°	418.3	419.7	418.3	416.1	416.1	417.4
17.5°	415.4	417.1	415.4	413.2	413.3	414.7
18°	412.5	414.4	412.5	410.3	410.5	411.8
18.5°	409.6	411.6	409.6	407.2	407.4	408.7
19°	406.6	408.7	406.6	404.0	404.4	405.6
19.5°	403.4	405.8	403.4	400.8	401.1	402.4
20°	400.1	402.5	400.1	397.5	397.9	399.0
20.5°	396.8	399.0	396.8	394.1	394.5	395.5
21°	393.2	395.4	393.2	390.5	390.9	391.9
21.5°	389.5	391.6	389.5	386.8	387.2	388.2
22°	385.7	387.6	385.7	383.2	383.5	384.3

TEST NUMBER: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	381.8	383.4	381.8	379.5	379.6	380.2
23°	377.8	379.2	377.8	375.7	375.7	376.1
23.5°	373.7	374.9	373.7	371.9	371.6	371.8
24°	369.6	370.4	369.6	368.1	367.6	367.4
24.5°	365.4	365.8	365.4	364.1	363.4	363.0
25°	361.0	361.1	361.0	360.0	359.2	358.4
25.5°	356.6	356.3	356.6	355.9	354.9	353.8
26°	352.0	351.4	352.0	351.6	350.5	349.2
26.5°	347.4	346.4	347.4	347.2	346.0	344.4
27°	342.6	341.3	342.6	342.7	341.4	339.5
27.5°	337.8	336.2	337.8	338.0	336.6	334.7
28°	332.8	330.9	332.8	333.2	331.8	329.7
28.5°	327.7	325.6	327.7	328.2	326.8	324.5
29°	322.4	320.3	322.4	323.1	321.7	319.3
29.5°	317.1	314.8	317.1	317.9	316.4	313.9
30°	311.5	309.1	311.5	312.5	311.0	308.5
30.5°	305.8	303.5	305.8	306.8	305.5	303.1
31°	300.0	297.6	300.0	301.1	299.9	297.5
31.5°	294.1	291.7	294.1	295.2	294.2	291.8
32°	288.0	285.8	288.0	289.0	288.2	286.1
32.5°	281.9	279.7	281.9	282.9	282.3	280.4
33°	275.7	273.7	275.7	276.5	276.1	274.5
33.5°	269.3	267.5	269.3	270.1	269.9	268.7
34°	262.9	261.4	262.9	263.4	263.5	262.6
34.5°	256.3	255.2	256.3	256.8	257.1	256.5
35°	249.8	249.0	249.8	249.9	250.4	250.3
35.5°	243.1	242.7	243.1	243.0	243.8	244.0
36°	236.3	236.3	236.3	235.9	237.0	237.3
36.5°	229.5	229.9	229.5	229.0	230.2	230.8
37°	222.8	223.2	222.8	221.8	223.3	224.1
37.5°	215.9	216.4	215.9	214.6	216.3	217.2
38°	209.0	209.1	209.0	207.6	209.2	210.2
38.5°	201.9	202.1	201.9	200.5	202.2	203.2
39°	194.9	195.1	194.9	193.5	194.8	196.1
39.5°	187.8	188.2	187.8	186.6	187.7	188.7
40°	180.7	181.3	180.7	179.7	180.7	181.3
40.5°	173.6	174.3	173.6	172.8	173.7	174.1
41°	166.5	167.1	166.5	165.8	166.7	166.8
41.5°	159.4	159.9	159.4	158.8	159.7	159.5
42°	152.5	152.8	152.5	151.9	152.6	152.3
42.5°	145.7	145.6	145.7	145.2	145.5	145.1
43°	138.9	138.5	138.9	138.5	138.5	138.1
43.5°	132.2	131.4	132.2	131.9	131.6	131.2
44°	125.6	124.5	125.6	125.3	124.6	124.4
44.5°	119.2	117.9	119.2	118.9	118.0	117.6

TEST NUMBER: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	112.7	111.3	112.7	112.7	111.5	111.0
45.5°	106.3	104.9	106.3	106.4	105.2	104.4
46°	100.1	98.6	100.1	100.2	98.9	98.0
46.5°	94.0	92.6	94.0	94.1	92.8	91.8
47°	88.1	86.8	88.1	88.1	86.9	85.8
47.5°	82.3	81.1	82.3	82.2	81.1	80.0
48°	76.6	75.6	76.6	76.5	75.5	74.3
48.5°	71.2	70.3	71.2	70.8	70.0	69.0
49°	66.0	65.3	66.0	65.4	64.8	63.9
49.5°	60.9	60.5	60.9	60.4	59.9	59.2
50°	56.2	56.0	56.2	55.6	55.2	54.7
50.5°	51.5	51.6	51.5	50.8	50.5	50.2
51°	47.0	47.2	47.0	46.2	46.0	45.8
51.5°	42.8	43.1	42.8	41.7	41.7	42.0
52°	38.6	39.0	38.6	37.6	37.9	38.2
52.5°	34.9	35.2	34.9	33.8	34.2	34.7
53°	31.5	31.8	31.5	30.3	30.8	31.4
53.5°	28.2	28.4	28.2	27.2	27.7	28.3
54°	25.2	25.3	25.2	24.3	24.8	25.3
54.5°	22.3	22.5	22.3	21.6	22.0	22.6
55°	19.7	19.8	19.7	19.1	19.5	20.0
55.5°	17.2	17.2	17.2	16.9	17.2	17.5
56°	15.0	15.0	15.0	14.8	15.1	15.4
56.5°	13.0	13.0	13.0	12.8	13.2	13.3
57°	11.0	11.1	11.0	10.9	11.3	11.4
57.5°	9.1	9.1	9.1	9.1	9.4	9.5
58°	7.3	7.2	7.3	7.3	7.6	7.6
58.5°	5.5	5.5	5.5	5.5	5.9	5.9
59°	3.8	3.8	3.8	3.8	4.3	4.1
59.5°	2.4	2.6	2.4	2.4	2.9	2.9
60°	1.5	1.6	1.5	1.6	1.9	1.9
60.5°	1.0	1.3	1.0	1.1	1.4	1.2
61°	0.8	1.1	0.8	0.8	1.1	1.0
61.5°	0.6	0.8	0.6	0.6	0.9	0.8
62°	0.5	0.6	0.5	0.5	0.7	0.6
62.5°	0.3	0.3	0.3	0.4	0.5	0.5
63°	0.3	0.3	0.3	0.3	0.4	0.4
63.5°	0.3	0.3	0.3	0.3	0.3	0.3
64°	0.2	0.2	0.2	0.3	0.3	0.3
64.5°	0.2	0.2	0.2	0.2	0.3	0.3
65°	0.2	0.2	0.2	0.2	0.2	0.2
65.5°	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.1	0.1	0.1	0.2	0.2	0.2
66.5°	0.1	0.1	0.1	0.1	0.2	0.2
67°	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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°	0.1	0.0	0.1	0.1	0.1	0.1
70.5°	0.0	0.0	0.0	0.1	0.1	0.1
71°	0.0	0.0	0.0	0.0	0.1	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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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°	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590608

CATALOG NUMBER: HCDLS510CSD6TRH-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	4.1	5.2	4.4	5.5	5.8	3.8	4.9	4.2	5.3	5.6
	3H	3.9	4.9	4.3	5.2	5.6	3.7	4.6	4.0	5.0	5.3
	4H	3.8	4.7	4.2	5.1	5.5	3.6	4.5	4.0	4.8	5.2
	6H	3.7	4.6	4.1	4.9	5.3	3.5	4.3	3.9	4.7	5.1
	8H	3.7	4.5	4.1	4.8	5.3	3.4	4.2	3.9	4.6	5.0
	12H	3.6	4.4	4.1	4.7	5.2	3.4	4.1	3.8	4.5	4.9
4H	2H	3.8	4.7	4.2	5.1	5.5	3.6	4.5	4.0	4.8	5.2
	3H	3.6	4.4	4.1	4.8	5.2	3.4	4.1	3.8	4.5	4.9
	4H	3.5	4.2	4.0	4.6	5.1	3.3	3.9	3.7	4.3	4.8
	6H	3.4	4.0	3.9	4.4	4.9	3.2	3.7	3.6	4.2	4.7
	8H	3.4	3.9	3.8	4.3	4.8	3.1	3.6	3.6	4.1	4.6
	12H	3.3	3.8	3.8	4.2	4.7	3.0	3.5	3.5	4.0	4.5
8H	4H	3.4	3.9	3.8	4.3	4.8	3.1	3.6	3.6	4.1	4.6
	6H	3.2	3.7	3.8	4.2	4.6	3.0	3.4	3.5	3.9	4.4
	8H	3.2	3.5	3.7	4.1	4.6	2.9	3.3	3.4	3.8	4.3
	12H	3.1	3.4	3.6	3.9	4.5	2.9	3.2	3.4	3.7	4.3
12H	4H	3.3	3.8	3.8	4.2	4.7	3.0	3.5	3.5	4.0	4.5
	6H	3.2	3.6	3.7	4.0	4.6	2.9	3.3	3.5	3.8	4.3
	8H	3.1	3.4	3.6	3.9	4.5	2.9	3.2	3.4	3.7	4.3

(END OF REPORT)