

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: P1590610

Luminaire Tested: HCDLS510CSD6TRH-LO-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590610
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-4000K
Description: 6" Selectable Round Trim+ Haze (Semi-specular) 500 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

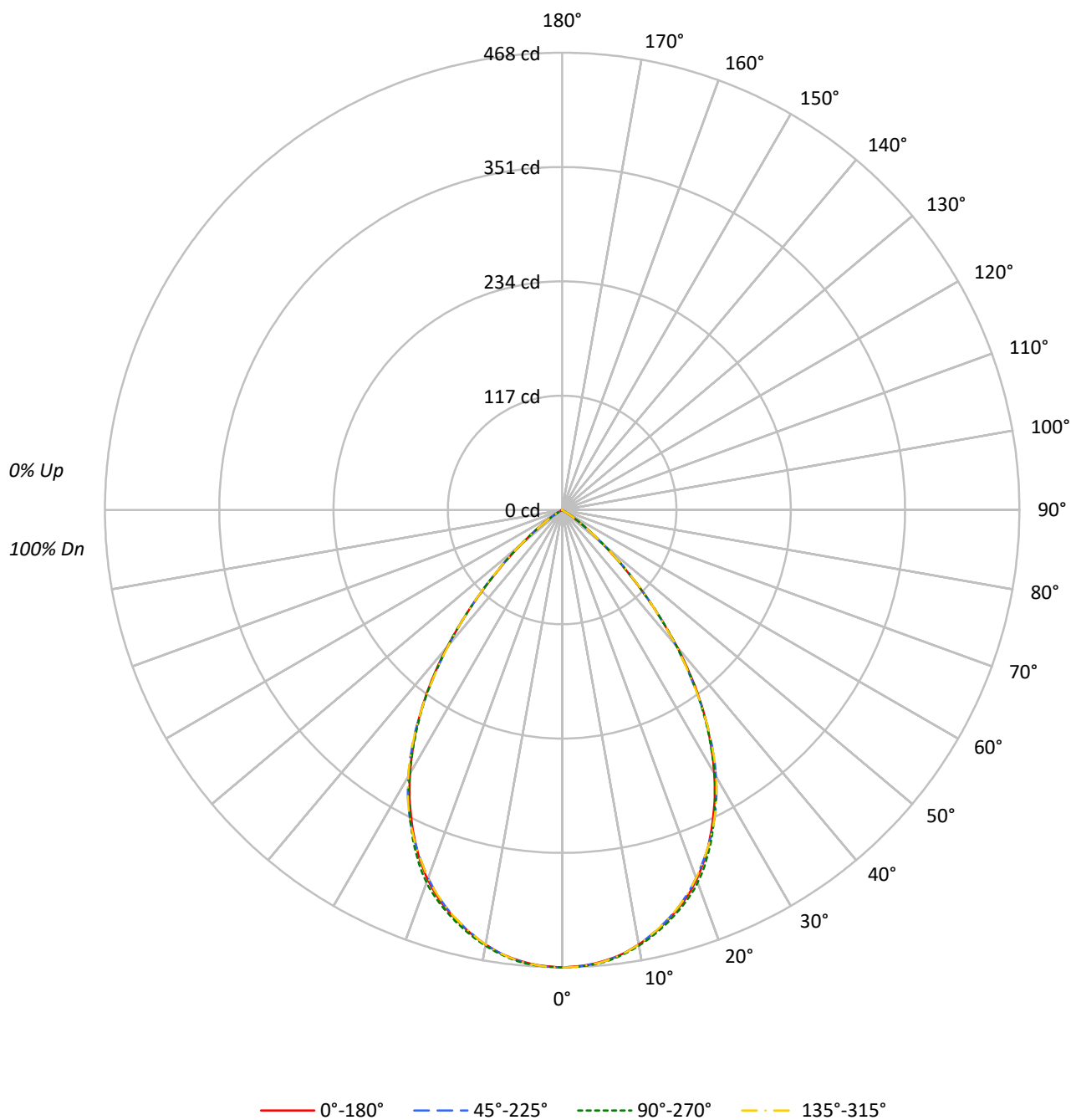
Lumens per Lamp: N/A
Luminaire Lumens: 595.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	25661	25661	25661	25661
5°	25534	25600	25534	25600
10°	25139	25206	25139	25206
15°	24455	24569	24455	24569
20°	23475	23680	23475	23680
25°	21866	22029	21866	22029
30°	19693	19731	19693	19731
35°	16891	16804	16891	16804
40°	13089	13082	13089	13082
45°	8675	8699	8675	8699
50°	4699	4819	4699	4819
55°	1921	1912	1921	1912
60°	219	175	219	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: 67.5°

Vertical Angle: 45°

Luminance: 8815 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	7.4
10°-20°	121.1	20.4
20°-30°	166.0	27.9
30°-40°	155.7	26.2
40°-50°	87.6	14.7
50°-60°	19.9	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°	331.0	55.6
0°-40°	486.7	81.8
0°-60°	594.3	99.9
0°-90°	594.6	99.9
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	468	468	468	468	468	
5°	464	465	464	465	464	44
15°	431	433	431	433	431	121
25°	362	364	362	364	362	165
35°	252	251	252	251	252	156
45°	112	112	112	112	112	87
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°	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1
0.5°	467.9	468.0	468.2	468.2	468.0	468.2	468.2	468.0	467.9	468.0	468.2
1°	467.8	467.8	468.1	468.1	467.9	468.1	468.1	467.8	467.8	467.8	468.1
1.5°	467.5	467.7	467.9	467.9	467.8	467.9	467.9	467.7	467.5	467.7	467.9
2°	467.3	467.4	467.7	467.7	467.7	467.7	467.7	467.4	467.3	467.4	467.7
2.5°	466.9	467.0	467.3	467.5	467.4	467.5	467.3	467.0	466.9	467.0	467.3
3°	466.5	466.6	466.9	467.1	467.2	467.1	466.9	466.6	466.5	466.6	466.9
3.5°	466.0	466.1	466.4	466.7	466.8	466.7	466.4	466.1	466.0	466.1	466.4
4°	465.4	465.6	465.8	466.1	466.4	466.1	465.8	465.6	465.4	465.6	465.8
4.5°	464.8	464.9	465.2	465.5	465.8	465.5	465.2	464.9	464.8	464.9	465.2
5°	464.0	464.2	464.5	464.8	465.2	464.8	464.5	464.2	464.0	464.2	464.5
5.5°	463.2	463.4	463.6	463.9	464.4	463.9	463.6	463.4	463.2	463.4	463.6
6°	462.3	462.5	462.7	462.9	463.5	462.9	462.7	462.5	462.3	462.5	462.7
6.5°	461.3	461.6	461.6	461.8	462.4	461.8	461.6	461.6	461.3	461.6	461.6
7°	460.3	460.5	460.4	460.7	461.3	460.7	460.4	460.5	460.3	460.5	460.4
7.5°	459.1	459.3	459.2	459.4	460.0	459.4	459.2	459.3	459.1	459.3	459.2
8°	457.8	458.1	457.9	458.0	458.8	458.0	457.9	458.1	457.8	458.1	457.9
8.5°	456.4	456.7	456.5	456.6	457.4	456.6	456.5	456.7	456.4	456.7	456.5
9°	454.9	455.2	454.9	455.1	455.9	455.1	454.9	455.2	454.9	455.2	454.9
9.5°	453.2	453.7	453.3	453.6	454.4	453.6	453.3	453.7	453.2	453.7	453.3
10°	451.6	452.0	451.5	451.9	452.8	451.9	451.5	452.0	451.6	452.0	451.5
10.5°	449.8	450.1	449.7	450.3	451.1	450.3	449.7	450.1	449.8	450.1	449.7
11°	448.0	448.2	447.8	448.5	449.4	448.5	447.8	448.2	448.0	448.2	447.8
11.5°	446.0	446.2	445.8	446.7	447.5	446.7	445.8	446.2	446.0	446.2	445.8
12°	444.1	444.2	443.7	444.9	445.6	444.9	443.7	444.2	444.1	444.2	443.7
12.5°	442.0	442.0	441.6	443.0	443.6	443.0	441.6	442.0	442.0	442.0	441.6
13°	439.9	439.8	439.4	441.0	441.7	441.0	439.4	439.8	439.9	439.8	439.4
13.5°	437.7	437.4	437.2	438.9	439.6	438.9	437.2	437.4	437.7	437.4	437.2
14°	435.5	435.2	434.9	436.8	437.4	436.8	434.9	435.2	435.5	435.2	434.9
14.5°	433.3	432.7	432.5	434.5	435.2	434.5	432.5	432.7	433.3	432.7	432.5
15°	430.9	430.2	430.1	432.2	432.9	432.2	430.1	430.2	430.9	430.2	430.1
15.5°	428.5	427.7	427.7	429.8	430.6	429.8	427.7	427.7	428.5	427.7	427.7
16°	426.0	425.1	425.1	427.3	428.2	427.3	425.1	425.1	426.0	425.1	425.1
16.5°	423.5	422.4	422.4	424.6	425.8	424.6	422.4	422.4	423.5	422.4	422.4
17°	421.0	419.6	419.6	421.8	423.2	421.8	419.6	419.6	421.0	419.6	419.6
17.5°	418.2	416.8	416.7	419.0	420.7	419.0	416.7	416.8	418.2	416.8	416.7
18°	415.3	413.9	413.7	416.0	418.0	416.0	413.7	413.9	415.3	413.9	413.7
18.5°	412.2	410.9	410.7	413.0	415.1	413.0	410.7	410.9	412.2	410.9	410.7
19°	409.1	407.8	407.5	410.0	412.2	410.0	407.5	407.8	409.1	407.8	407.5
19.5°	405.8	404.5	404.2	406.9	409.2	406.9	404.2	404.5	405.8	404.5	404.2
20°	402.4	401.2	400.8	403.5	405.9	403.5	400.8	401.2	402.4	401.2	400.8
20.5°	398.9	397.8	397.4	400.1	402.4	400.1	397.4	397.8	398.9	397.8	397.4
21°	395.2	394.2	393.8	396.5	398.7	396.5	393.8	394.2	395.2	394.2	393.8
21.5°	391.5	390.5	390.1	392.8	394.9	392.8	390.1	390.5	391.5	390.5	390.1
22°	387.5	386.8	386.4	388.9	390.9	388.9	386.4	386.8	387.5	386.8	386.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	383.4	382.8	382.7	385.0	386.6	385.0	382.7	382.8	383.4	382.8	382.7
23°	379.2	378.9	378.9	381.0	382.4	381.0	378.9	378.9	379.2	378.9	378.9
23.5°	375.0	374.8	375.0	376.9	378.0	376.9	375.0	374.8	375.0	374.8	375.0
24°	370.5	370.7	371.2	372.7	373.5	372.7	371.2	370.7	370.5	370.7	371.2
24.5°	366.0	366.5	367.2	368.5	368.9	368.5	367.2	366.5	366.0	366.5	367.2
25°	361.5	362.2	363.0	364.1	364.2	364.1	363.0	362.2	361.5	362.2	363.0
25.5°	356.8	357.9	358.9	359.6	359.3	359.6	358.9	357.9	356.8	357.9	358.9
26°	352.1	353.5	354.6	355.0	354.4	355.0	354.6	353.5	352.1	353.5	354.6
26.5°	347.3	348.9	350.1	350.3	349.3	350.3	350.1	348.9	347.3	348.9	350.1
27°	342.4	344.3	345.6	345.5	344.2	345.5	345.6	344.3	342.4	344.3	345.6
27.5°	337.5	339.5	340.9	340.7	339.1	340.7	340.9	339.5	337.5	339.5	340.9
28°	332.5	334.6	336.0	335.6	333.7	335.6	336.0	334.6	332.5	334.6	336.0
28.5°	327.2	329.6	331.0	330.5	328.4	330.5	331.0	329.6	327.2	329.6	331.0
29°	322.0	324.4	325.9	325.2	323.0	325.2	325.9	324.4	322.0	324.4	325.9
29.5°	316.6	319.1	320.6	319.8	317.5	319.8	320.6	319.1	316.6	319.1	320.6
30°	311.1	313.6	315.1	314.2	311.7	314.2	315.1	313.6	311.1	313.6	315.1
30.5°	305.7	308.1	309.4	308.4	306.0	308.4	309.4	308.1	305.7	308.1	309.4
31°	300.0	302.5	303.7	302.5	300.1	302.5	303.7	302.5	300.0	302.5	303.7
31.5°	294.3	296.7	297.7	296.6	294.1	296.6	297.7	296.7	294.3	296.7	297.7
32°	288.5	290.6	291.5	290.5	288.2	290.5	291.5	290.6	288.5	290.6	291.5
32.5°	282.7	284.7	285.3	284.3	282.1	284.3	285.3	284.7	282.7	284.7	285.3
33°	276.8	278.4	278.8	278.0	276.0	278.0	278.8	278.4	276.8	278.4	278.8
33.5°	271.0	272.2	272.4	271.6	269.8	271.6	272.4	272.2	271.0	272.2	272.4
34°	264.8	265.7	265.6	265.2	263.7	265.2	265.6	265.7	264.8	265.7	265.6
34.5°	258.7	259.3	258.9	258.5	257.4	258.5	258.9	259.3	258.7	259.3	258.9
35°	252.4	252.5	252.0	251.9	251.1	251.9	252.0	252.5	252.4	252.5	252.0
35.5°	246.0	245.8	245.0	245.1	244.8	245.1	245.0	245.8	246.0	245.8	245.0
36°	239.3	239.0	237.9	238.3	238.3	238.3	237.9	239.0	239.3	239.0	237.9
36.5°	232.8	232.2	230.9	231.5	231.9	231.5	230.9	232.2	232.8	232.2	230.9
37°	226.0	225.1	223.6	224.7	225.1	224.7	223.6	225.1	226.0	225.1	223.6
37.5°	219.0	218.1	216.5	217.7	218.2	217.7	216.5	218.1	219.0	218.1	216.5
38°	212.0	211.0	209.4	210.7	210.9	210.7	209.4	211.0	212.0	211.0	209.4
38.5°	204.9	203.9	202.2	203.6	203.8	203.6	202.2	203.9	204.9	203.9	202.2
39°	197.7	196.5	195.2	196.5	196.8	196.5	195.2	196.5	197.7	196.5	195.2
39.5°	190.3	189.3	188.2	189.4	189.8	189.4	188.2	189.3	190.3	189.3	188.2
40°	182.9	182.2	181.2	182.2	182.8	182.2	181.2	182.2	182.9	182.2	181.2
40.5°	175.6	175.2	174.2	175.1	175.8	175.1	174.2	175.2	175.6	175.2	174.2
41°	168.2	168.1	167.2	167.9	168.5	167.9	167.2	168.1	168.2	168.1	167.2
41.5°	160.8	161.0	160.1	160.8	161.3	160.8	160.1	161.0	160.8	161.0	160.1
42°	153.5	153.9	153.2	153.7	154.0	153.7	153.2	153.9	153.5	153.9	153.2
42.5°	146.4	146.8	146.4	146.9	146.9	146.9	146.4	146.8	146.4	146.8	146.4
43°	139.3	139.6	139.7	140.1	139.6	140.1	139.7	139.6	139.3	139.6	139.7
43.5°	132.3	132.7	133.0	133.3	132.5	133.3	133.0	132.7	132.3	132.7	133.0
44°	125.4	125.7	126.4	126.7	125.6	126.7	126.4	125.7	125.4	125.7	126.4
44.5°	118.6	119.0	119.9	120.3	118.9	120.3	119.9	119.0	118.6	119.0	119.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	111.9	112.5	113.6	113.7	112.2	113.7	113.6	112.5	111.9	112.5	113.6
45.5°	105.3	106.1	107.3	107.2	105.8	107.2	107.3	106.1	105.3	106.1	107.3
46°	98.8	99.8	101.0	100.9	99.5	100.9	101.0	99.8	98.8	99.8	101.0
46.5°	92.6	93.6	94.9	94.8	93.4	94.8	94.9	93.6	92.6	93.6	94.9
47°	86.5	87.7	88.8	88.8	87.5	88.8	88.8	87.7	86.5	87.7	88.8
47.5°	80.7	81.8	82.9	83.0	81.8	83.0	82.9	81.8	80.7	81.8	82.9
48°	75.0	76.1	77.1	77.3	76.2	77.3	77.1	76.1	75.0	76.1	77.1
48.5°	69.6	70.6	71.4	71.9	70.9	71.9	71.4	70.6	69.6	70.6	71.4
49°	64.5	65.4	66.0	66.5	65.8	66.5	66.0	65.4	64.5	65.4	66.0
49.5°	59.7	60.4	60.9	61.5	61.0	61.5	60.9	60.4	59.7	60.4	60.9
50°	55.1	55.7	56.1	56.7	56.5	56.7	56.1	55.7	55.1	55.7	56.1
50.5°	50.6	50.9	51.3	52.0	52.0	52.0	51.3	50.9	50.6	50.9	51.3
51°	46.2	46.4	46.6	47.4	47.6	47.4	46.6	46.4	46.2	46.4	46.6
51.5°	42.3	42.1	42.1	43.1	43.4	43.1	42.1	42.1	42.3	42.1	42.1
52°	38.5	38.2	37.9	39.0	39.3	39.0	37.9	38.2	38.5	38.2	37.9
52.5°	35.0	34.5	34.1	35.2	35.5	35.2	34.1	34.5	35.0	34.5	34.1
53°	31.7	31.1	30.6	31.7	32.0	31.7	30.6	31.1	31.7	31.1	30.6
53.5°	28.5	27.9	27.4	28.4	28.6	28.4	27.4	27.9	28.5	27.9	27.4
54°	25.5	25.0	24.5	25.4	25.6	25.4	24.5	25.0	25.5	25.0	24.5
54.5°	22.8	22.2	21.8	22.5	22.6	22.5	21.8	22.2	22.8	22.2	21.8
55°	20.1	19.7	19.3	19.8	20.0	19.8	19.3	19.7	20.1	19.7	19.3
55.5°	17.7	17.3	17.0	17.4	17.4	17.4	17.0	17.3	17.7	17.3	17.0
56°	15.5	15.2	14.9	15.2	15.2	15.2	14.9	15.2	15.5	15.2	14.9
56.5°	13.4	13.3	12.9	13.1	13.1	13.1	12.9	13.3	13.4	13.3	12.9
57°	11.5	11.4	11.0	11.1	11.2	11.1	11.0	11.4	11.5	11.4	11.0
57.5°	9.6	9.5	9.1	9.1	9.2	9.1	9.1	9.5	9.6	9.5	9.1
58°	7.6	7.7	7.4	7.3	7.3	7.3	7.4	7.7	7.6	7.7	7.4
58.5°	5.9	6.0	5.6	5.6	5.6	5.6	5.6	6.0	5.9	6.0	5.6
59°	4.2	4.3	3.8	3.9	3.8	3.9	3.8	4.3	4.2	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°	2.0	1.9	1.6	1.5	1.6	1.5	1.6	1.9	2.0	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	0.4	0.3	0.4	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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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	0.2	0.1	0.2	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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	468.1	468.1	468.1	468.1	468.1	468.1
0.5°	468.2	468.0	468.2	468.2	468.0	467.9
1°	468.1	467.9	468.1	468.1	467.8	467.8
1.5°	467.9	467.8	467.9	467.9	467.7	467.5
2°	467.7	467.7	467.7	467.7	467.4	467.3
2.5°	467.5	467.4	467.5	467.3	467.0	466.9
3°	467.1	467.2	467.1	466.9	466.6	466.5
3.5°	466.7	466.8	466.7	466.4	466.1	466.0
4°	466.1	466.4	466.1	465.8	465.6	465.4
4.5°	465.5	465.8	465.5	465.2	464.9	464.8
5°	464.8	465.2	464.8	464.5	464.2	464.0
5.5°	463.9	464.4	463.9	463.6	463.4	463.2
6°	462.9	463.5	462.9	462.7	462.5	462.3
6.5°	461.8	462.4	461.8	461.6	461.6	461.3
7°	460.7	461.3	460.7	460.4	460.5	460.3
7.5°	459.4	460.0	459.4	459.2	459.3	459.1
8°	458.0	458.8	458.0	457.9	458.1	457.8
8.5°	456.6	457.4	456.6	456.5	456.7	456.4
9°	455.1	455.9	455.1	454.9	455.2	454.9
9.5°	453.6	454.4	453.6	453.3	453.7	453.2
10°	451.9	452.8	451.9	451.5	452.0	451.6
10.5°	450.3	451.1	450.3	449.7	450.1	449.8
11°	448.5	449.4	448.5	447.8	448.2	448.0
11.5°	446.7	447.5	446.7	445.8	446.2	446.0
12°	444.9	445.6	444.9	443.7	444.2	444.1
12.5°	443.0	443.6	443.0	441.6	442.0	442.0
13°	441.0	441.7	441.0	439.4	439.8	439.9
13.5°	438.9	439.6	438.9	437.2	437.4	437.7
14°	436.8	437.4	436.8	434.9	435.2	435.5
14.5°	434.5	435.2	434.5	432.5	432.7	433.3
15°	432.2	432.9	432.2	430.1	430.2	430.9
15.5°	429.8	430.6	429.8	427.7	427.7	428.5
16°	427.3	428.2	427.3	425.1	425.1	426.0
16.5°	424.6	425.8	424.6	422.4	422.4	423.5
17°	421.8	423.2	421.8	419.6	419.6	421.0
17.5°	419.0	420.7	419.0	416.7	416.8	418.2
18°	416.0	418.0	416.0	413.7	413.9	415.3
18.5°	413.0	415.1	413.0	410.7	410.9	412.2
19°	410.0	412.2	410.0	407.5	407.8	409.1
19.5°	406.9	409.2	406.9	404.2	404.5	405.8
20°	403.5	405.9	403.5	400.8	401.2	402.4
20.5°	400.1	402.4	400.1	397.4	397.8	398.9
21°	396.5	398.7	396.5	393.8	394.2	395.2
21.5°	392.8	394.9	392.8	390.1	390.5	391.5
22°	388.9	390.9	388.9	386.4	386.8	387.5

TEST NUMBER: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	385.0	386.6	385.0	382.7	382.8	383.4
23°	381.0	382.4	381.0	378.9	378.9	379.2
23.5°	376.9	378.0	376.9	375.0	374.8	375.0
24°	372.7	373.5	372.7	371.2	370.7	370.5
24.5°	368.5	368.9	368.5	367.2	366.5	366.0
25°	364.1	364.2	364.1	363.0	362.2	361.5
25.5°	359.6	359.3	359.6	358.9	357.9	356.8
26°	355.0	354.4	355.0	354.6	353.5	352.1
26.5°	350.3	349.3	350.3	350.1	348.9	347.3
27°	345.5	344.2	345.5	345.6	344.3	342.4
27.5°	340.7	339.1	340.7	340.9	339.5	337.5
28°	335.6	333.7	335.6	336.0	334.6	332.5
28.5°	330.5	328.4	330.5	331.0	329.6	327.2
29°	325.2	323.0	325.2	325.9	324.4	322.0
29.5°	319.8	317.5	319.8	320.6	319.1	316.6
30°	314.2	311.7	314.2	315.1	313.6	311.1
30.5°	308.4	306.0	308.4	309.4	308.1	305.7
31°	302.5	300.1	302.5	303.7	302.5	300.0
31.5°	296.6	294.1	296.6	297.7	296.7	294.3
32°	290.5	288.2	290.5	291.5	290.6	288.5
32.5°	284.3	282.1	284.3	285.3	284.7	282.7
33°	278.0	276.0	278.0	278.8	278.4	276.8
33.5°	271.6	269.8	271.6	272.4	272.2	271.0
34°	265.2	263.7	265.2	265.6	265.7	264.8
34.5°	258.5	257.4	258.5	258.9	259.3	258.7
35°	251.9	251.1	251.9	252.0	252.5	252.4
35.5°	245.1	244.8	245.1	245.0	245.8	246.0
36°	238.3	238.3	238.3	237.9	239.0	239.3
36.5°	231.5	231.9	231.5	230.9	232.2	232.8
37°	224.7	225.1	224.7	223.6	225.1	226.0
37.5°	217.7	218.2	217.7	216.5	218.1	219.0
38°	210.7	210.9	210.7	209.4	211.0	212.0
38.5°	203.6	203.8	203.6	202.2	203.9	204.9
39°	196.5	196.8	196.5	195.2	196.5	197.7
39.5°	189.4	189.8	189.4	188.2	189.3	190.3
40°	182.2	182.8	182.2	181.2	182.2	182.9
40.5°	175.1	175.8	175.1	174.2	175.2	175.6
41°	167.9	168.5	167.9	167.2	168.1	168.2
41.5°	160.8	161.3	160.8	160.1	161.0	160.8
42°	153.7	154.0	153.7	153.2	153.9	153.5
42.5°	146.9	146.9	146.9	146.4	146.8	146.4
43°	140.1	139.6	140.1	139.7	139.6	139.3
43.5°	133.3	132.5	133.3	133.0	132.7	132.3
44°	126.7	125.6	126.7	126.4	125.7	125.4
44.5°	120.3	118.9	120.3	119.9	119.0	118.6

TEST NUMBER: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	113.7	112.2	113.7	113.6	112.5	111.9
45.5°	107.2	105.8	107.2	107.3	106.1	105.3
46°	100.9	99.5	100.9	101.0	99.8	98.8
46.5°	94.8	93.4	94.8	94.9	93.6	92.6
47°	88.8	87.5	88.8	88.8	87.7	86.5
47.5°	83.0	81.8	83.0	82.9	81.8	80.7
48°	77.3	76.2	77.3	77.1	76.1	75.0
48.5°	71.9	70.9	71.9	71.4	70.6	69.6
49°	66.5	65.8	66.5	66.0	65.4	64.5
49.5°	61.5	61.0	61.5	60.9	60.4	59.7
50°	56.7	56.5	56.7	56.1	55.7	55.1
50.5°	52.0	52.0	52.0	51.3	50.9	50.6
51°	47.4	47.6	47.4	46.6	46.4	46.2
51.5°	43.1	43.4	43.1	42.1	42.1	42.3
52°	39.0	39.3	39.0	37.9	38.2	38.5
52.5°	35.2	35.5	35.2	34.1	34.5	35.0
53°	31.7	32.0	31.7	30.6	31.1	31.7
53.5°	28.4	28.6	28.4	27.4	27.9	28.5
54°	25.4	25.6	25.4	24.5	25.0	25.5
54.5°	22.5	22.6	22.5	21.8	22.2	22.8
55°	19.8	20.0	19.8	19.3	19.7	20.1
55.5°	17.4	17.4	17.4	17.0	17.3	17.7
56°	15.2	15.2	15.2	14.9	15.2	15.5
56.5°	13.1	13.1	13.1	12.9	13.3	13.4
57°	11.1	11.2	11.1	11.0	11.4	11.5
57.5°	9.1	9.2	9.1	9.1	9.5	9.6
58°	7.3	7.3	7.3	7.4	7.7	7.6
58.5°	5.6	5.6	5.6	5.6	6.0	5.9
59°	3.9	3.8	3.9	3.8	4.3	4.2
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	2.0
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°	0.4	0.3	0.4	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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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	0.1
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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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°	0.2	0.1	0.2	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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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: P1590610

CATALOG NUMBER: HCDLS510CSD6TRH-LO-4000K

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	4.5	5.6	5.9	3.8	4.9	4.2	5.2	5.6
	3H	4.0	4.9	4.3	5.3	5.6	3.6	4.6	4.0	5.0	5.3
	4H	3.9	4.8	4.3	5.1	5.5	3.6	4.5	4.0	4.8	5.2
	6H	3.8	4.6	4.2	5.0	5.4	3.5	4.3	3.9	4.7	5.1
	8H	3.7	4.5	4.2	4.9	5.3	3.4	4.2	3.8	4.6	5.0
	12H	3.7	4.4	4.1	4.8	5.2	3.3	4.1	3.8	4.5	4.9
4H	2H	3.9	4.8	4.3	5.1	5.5	3.6	4.5	4.0	4.8	5.2
	3H	3.7	4.4	4.1	4.8	5.2	3.4	4.1	3.8	4.5	4.9
	4H	3.6	4.2	4.0	4.7	5.1	3.3	3.9	3.7	4.3	4.8
	6H	3.5	4.0	3.9	4.5	5.0	3.2	3.7	3.6	4.2	4.6
	8H	3.4	3.9	3.9	4.4	4.9	3.1	3.6	3.6	4.1	4.5
	12H	3.4	3.8	3.8	4.3	4.8	3.0	3.5	3.5	4.0	4.4
8H	4H	3.4	3.9	3.9	4.4	4.9	3.1	3.6	3.6	4.1	4.5
	6H	3.3	3.7	3.8	4.2	4.7	3.0	3.4	3.5	3.9	4.4
	8H	3.2	3.6	3.7	4.1	4.6	2.9	3.3	3.4	3.8	4.3
	12H	3.2	3.5	3.7	4.0	4.6	2.8	3.2	3.4	3.7	4.2
12H	4H	3.4	3.8	3.8	4.3	4.8	3.0	3.5	3.5	4.0	4.4
	6H	3.2	3.6	3.8	4.1	4.6	2.9	3.3	3.4	3.7	4.3
	8H	3.2	3.5	3.7	4.0	4.6	2.8	3.2	3.4	3.7	4.2

(END OF REPORT)