

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: P1590625

Luminaire Tested: HCDLS510CSD6TRMW-LO-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590625
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-4000K
Description: 6" Selectable Round Trim+Matte White (paintable) 500 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

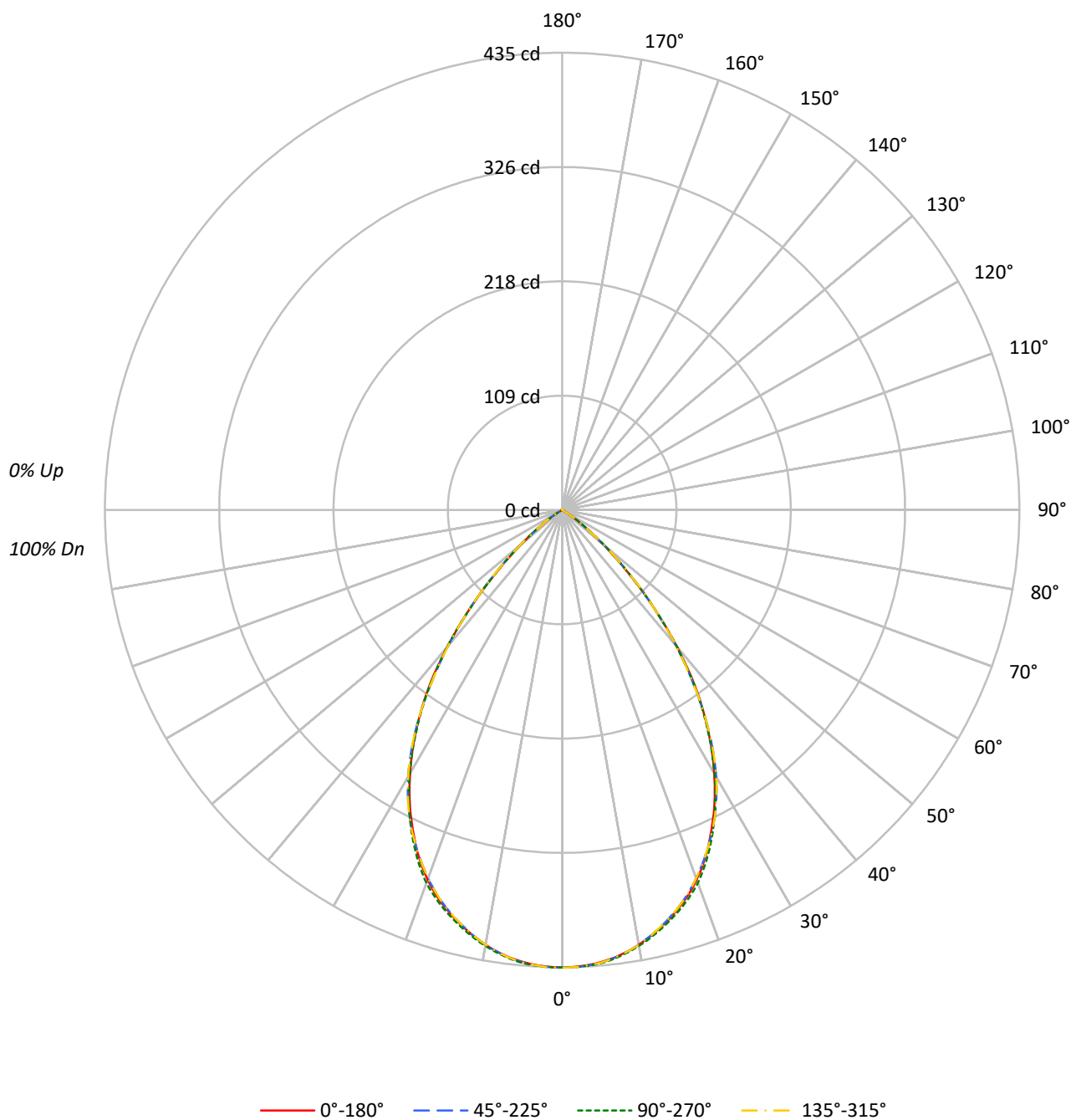
Lumens per Lamp: N/A
Luminaire Lumens: 553.3 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
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°	23863	23863	23863	23863
5°	23751	23806	23751	23806
10°	23380	23441	23380	23441
15°	22747	22849	22747	22849
20°	21830	22023	21830	22023
25°	20336	20487	20336	20487
30°	18313	18351	18313	18351
35°	15707	15627	15707	15627
40°	12173	12166	12173	12166
45°	8071	8094	8071	8094
50°	4375	4477	4375	4477
55°	1787	1778	1787	1778
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: 8195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	7.4
10°-20°	112.6	20.4
20°-30°	154.4	27.9
30°-40°	144.8	26.2
40°-50°	81.5	14.7
50°-60°	18.5	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°	307.9	55.6
0°-40°	452.7	81.8
0°-60°	552.7	99.9
0°-90°	553.0	99.9
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	553.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	435	435	435	435	435	
5°	432	433	432	433	432	41
15°	401	403	401	403	401	113
25°	336	339	336	339	336	154
35°	235	234	235	234	235	145
45°	104	104	104	104	104	81
55°	19	19	19	19	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°	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3
0.5°	435.1	435.2	435.4	435.4	435.3	435.4	435.4	435.2	435.1	435.2	435.4
1°	435.0	435.1	435.3	435.3	435.2	435.3	435.3	435.1	435.0	435.1	435.3
1.5°	434.8	434.9	435.1	435.2	435.1	435.2	435.1	434.9	434.8	434.9	435.1
2°	434.6	434.7	435.0	435.0	435.0	435.0	435.0	434.7	434.6	434.7	435.0
2.5°	434.2	434.4	434.6	434.7	434.7	434.7	434.6	434.4	434.2	434.4	434.6
3°	433.9	434.0	434.2	434.4	434.5	434.4	434.2	434.0	433.9	434.0	434.2
3.5°	433.4	433.5	433.8	434.0	434.1	434.0	433.8	433.5	433.4	433.5	433.8
4°	432.8	433.0	433.2	433.5	433.7	433.5	433.2	433.0	432.8	433.0	433.2
4.5°	432.2	432.4	432.7	432.9	433.2	432.9	432.7	432.4	432.2	432.4	432.7
5°	431.6	431.7	432.0	432.3	432.6	432.3	432.0	431.7	431.6	431.7	432.0
5.5°	430.8	430.9	431.2	431.4	431.9	431.4	431.2	430.9	430.8	430.9	431.2
6°	429.9	430.1	430.3	430.5	431.0	430.5	430.3	430.1	429.9	430.1	430.3
6.5°	429.0	429.3	429.3	429.5	430.1	429.5	429.3	429.3	429.0	429.3	429.3
7°	428.0	428.2	428.2	428.4	429.0	428.4	428.2	428.2	428.0	428.2	428.2
7.5°	426.9	427.2	427.1	427.2	427.8	427.2	427.1	427.2	426.9	427.2	427.1
8°	425.7	426.0	425.8	426.0	426.6	426.0	425.8	426.0	425.7	426.0	425.8
8.5°	424.4	424.8	424.5	424.7	425.4	424.7	424.5	424.8	424.4	424.8	424.5
9°	423.0	423.4	423.1	423.3	424.0	423.3	423.1	423.4	423.0	423.4	423.1
9.5°	421.5	421.9	421.6	421.8	422.6	421.8	421.6	421.9	421.5	421.9	421.6
10°	420.0	420.3	419.9	420.3	421.1	420.3	419.9	420.3	420.0	420.3	419.9
10.5°	418.3	418.6	418.2	418.8	419.5	418.8	418.2	418.6	418.3	418.6	418.2
11°	416.6	416.8	416.4	417.1	417.9	417.1	416.4	416.8	416.6	416.8	416.4
11.5°	414.8	415.0	414.6	415.5	416.2	415.5	414.6	415.0	414.8	415.0	414.6
12°	413.0	413.1	412.7	413.7	414.4	413.7	412.7	413.1	413.0	413.1	412.7
12.5°	411.0	411.0	410.7	411.9	412.6	411.9	410.7	411.0	411.0	411.0	410.7
13°	409.1	409.0	408.7	410.1	410.7	410.1	408.7	409.0	409.1	409.0	408.7
13.5°	407.1	406.8	406.6	408.2	408.8	408.2	406.6	406.8	407.1	406.8	406.6
14°	405.0	404.7	404.5	406.2	406.7	406.2	404.5	404.7	405.0	404.7	404.5
14.5°	403.0	402.4	402.3	404.1	404.7	404.1	402.3	402.4	403.0	402.4	402.3
15°	400.8	400.1	400.0	401.9	402.6	401.9	400.0	400.1	400.8	400.1	400.0
15.5°	398.5	397.8	397.7	399.7	400.4	399.7	397.7	397.8	398.5	397.8	397.7
16°	396.2	395.4	395.4	397.3	398.2	397.3	395.4	395.4	396.2	395.4	395.4
16.5°	393.9	392.8	392.9	394.9	396.0	394.9	392.9	392.8	393.9	392.8	392.9
17°	391.5	390.2	390.2	392.3	393.6	392.3	390.2	390.2	391.5	390.2	390.2
17.5°	388.9	387.7	387.5	389.6	391.2	389.6	387.5	387.7	388.9	387.7	387.5
18°	386.2	385.0	384.8	386.9	388.7	386.9	384.8	385.0	386.2	385.0	384.8
18.5°	383.3	382.1	381.9	384.1	386.1	384.1	381.9	382.1	383.3	382.1	381.9
19°	380.4	379.3	378.9	381.3	383.3	381.3	378.9	379.3	380.4	379.3	378.9
19.5°	377.4	376.2	375.9	378.4	380.6	378.4	375.9	376.2	377.4	376.2	375.9
20°	374.2	373.1	372.8	375.3	377.5	375.3	372.8	373.1	374.2	373.1	372.8
20.5°	370.9	369.9	369.6	372.1	374.2	372.1	369.6	369.9	370.9	369.9	369.6
21°	367.6	366.6	366.2	368.7	370.8	368.7	366.2	366.6	367.6	366.6	366.2
21.5°	364.1	363.2	362.8	365.3	367.2	365.3	362.8	363.2	364.1	363.2	362.8
22°	360.4	359.7	359.4	361.7	363.5	361.7	359.4	359.7	360.4	359.7	359.4

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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°	356.6	356.0	355.9	358.1	359.6	358.1	355.9	356.0	356.6	356.0	355.9
23°	352.7	352.4	352.4	354.4	355.6	354.4	352.4	352.4	352.7	352.4	352.4
23.5°	348.7	348.6	348.8	350.5	351.6	350.5	348.8	348.6	348.7	348.6	348.8
24°	344.6	344.8	345.2	346.6	347.4	346.6	345.2	344.8	344.6	344.8	345.2
24.5°	340.4	340.9	341.5	342.7	343.1	342.7	341.5	340.9	340.4	340.9	341.5
25°	336.2	336.9	337.6	338.6	338.7	338.6	337.6	336.9	336.2	336.9	337.6
25.5°	331.8	332.8	333.7	334.4	334.2	334.4	333.7	332.8	331.8	332.8	333.7
26°	327.5	328.7	329.7	330.1	329.6	330.1	329.7	328.7	327.5	328.7	329.7
26.5°	323.0	324.5	325.6	325.8	324.9	325.8	325.6	324.5	323.0	324.5	325.6
27°	318.5	320.2	321.4	321.4	320.1	321.4	321.4	320.2	318.5	320.2	321.4
27.5°	313.9	315.7	317.0	316.8	315.3	316.8	317.0	315.7	313.9	315.7	317.0
28°	309.2	311.2	312.5	312.1	310.3	312.1	312.5	311.2	309.2	311.2	312.5
28.5°	304.3	306.5	307.8	307.3	305.4	307.3	307.8	306.5	304.3	306.5	307.8
29°	299.5	301.7	303.1	302.4	300.4	302.4	303.1	301.7	299.5	301.7	303.1
29.5°	294.4	296.8	298.2	297.4	295.3	297.4	298.2	296.8	294.4	296.8	298.2
30°	289.3	291.7	293.0	292.2	289.9	292.2	293.0	291.7	289.3	291.7	293.0
30.5°	284.3	286.6	287.8	286.8	284.6	286.8	287.8	286.6	284.3	286.6	287.8
31°	279.0	281.3	282.4	281.3	279.1	281.3	282.4	281.3	279.0	281.3	282.4
31.5°	273.7	275.9	276.9	275.8	273.6	275.8	276.9	275.9	273.7	275.9	276.9
32°	268.3	270.3	271.1	270.1	268.0	270.1	271.1	270.3	268.3	270.3	271.1
32.5°	262.9	264.8	265.3	264.4	262.4	264.4	265.3	264.8	262.9	264.8	265.3
33°	257.4	258.9	259.3	258.5	256.7	258.5	259.3	258.9	257.4	258.9	259.3
33.5°	252.0	253.1	253.3	252.6	250.9	252.6	253.3	253.1	252.0	253.1	253.3
34°	246.2	247.1	247.0	246.6	245.2	246.6	247.0	247.1	246.2	247.1	247.0
34.5°	240.6	241.2	240.8	240.4	239.4	240.4	240.8	241.2	240.6	241.2	240.8
35°	234.7	234.9	234.4	234.2	233.5	234.2	234.4	234.9	234.7	234.9	234.4
35.5°	228.8	228.6	227.9	228.0	227.6	228.0	227.9	228.6	228.8	228.6	227.9
36°	222.6	222.3	221.3	221.6	221.6	221.6	221.3	222.3	222.6	222.3	221.3
36.5°	216.5	215.9	214.7	215.3	215.6	215.3	214.7	215.9	216.5	215.9	214.7
37°	210.2	209.4	208.0	208.9	209.4	208.9	208.0	209.4	210.2	209.4	208.0
37.5°	203.7	202.8	201.3	202.5	202.9	202.5	201.3	202.8	203.7	202.8	201.3
38°	197.1	196.2	194.7	196.0	196.2	196.0	194.7	196.2	197.1	196.2	194.7
38.5°	190.6	189.7	188.1	189.4	189.6	189.4	188.1	189.7	190.6	189.7	188.1
39°	183.9	182.7	181.5	182.8	183.0	182.8	181.5	182.7	183.9	182.7	181.5
39.5°	177.0	176.0	175.0	176.2	176.5	176.2	175.0	176.0	177.0	176.0	175.0
40°	170.1	169.5	168.5	169.5	170.0	169.5	168.5	169.5	170.1	169.5	168.5
40.5°	163.3	162.9	162.0	162.8	163.5	162.8	162.0	162.9	163.3	162.9	162.0
41°	156.4	156.4	155.5	156.1	156.7	156.1	155.5	156.4	156.4	156.4	155.5
41.5°	149.6	149.8	148.9	149.5	150.0	149.5	148.9	149.8	149.6	149.8	148.9
42°	142.8	143.1	142.5	143.0	143.3	143.0	142.5	143.1	142.8	143.1	142.5
42.5°	136.1	136.5	136.2	136.7	136.6	136.7	136.2	136.5	136.1	136.5	136.2
43°	129.5	129.9	129.9	130.3	129.9	130.3	129.9	129.9	129.5	129.9	129.9
43.5°	123.0	123.4	123.7	124.0	123.2	124.0	123.7	123.4	123.0	123.4	123.7
44°	116.7	116.9	117.5	117.8	116.8	117.8	117.5	116.9	116.7	116.9	117.5
44.5°	110.3	110.7	111.5	111.8	110.5	111.8	111.5	110.7	110.3	110.7	111.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	104.1	104.6	105.7	105.7	104.4	105.7	105.7	104.6	104.1	104.6	105.7
45.5°	97.9	98.6	99.8	99.7	98.4	99.7	99.8	98.6	97.9	98.6	99.8
46°	91.9	92.8	93.9	93.9	92.5	93.9	93.9	92.8	91.9	92.8	93.9
46.5°	86.1	87.1	88.2	88.2	86.8	88.2	88.2	87.1	86.1	87.1	88.2
47°	80.5	81.5	82.6	82.6	81.4	82.6	82.6	81.5	80.5	81.5	82.6
47.5°	75.0	76.1	77.1	77.2	76.1	77.2	77.1	76.1	75.0	76.1	77.1
48°	69.7	70.8	71.7	71.9	70.9	71.9	71.7	70.8	69.7	70.8	71.7
48.5°	64.7	65.7	66.4	66.8	66.0	66.8	66.4	65.7	64.7	65.7	66.4
49°	60.0	60.8	61.4	61.9	61.2	61.9	61.4	60.8	60.0	60.8	61.4
49.5°	55.6	56.2	56.7	57.2	56.7	57.2	56.7	56.2	55.6	56.2	56.7
50°	51.3	51.8	52.1	52.7	52.5	52.7	52.1	51.8	51.3	51.8	52.1
50.5°	47.0	47.4	47.7	48.3	48.4	48.3	47.7	47.4	47.0	47.4	47.7
51°	43.0	43.1	43.3	44.1	44.3	44.1	43.3	43.1	43.0	43.1	43.3
51.5°	39.4	39.1	39.1	40.1	40.4	40.1	39.1	39.1	39.4	39.1	39.1
52°	35.8	35.5	35.3	36.2	36.5	36.2	35.3	35.5	35.8	35.5	35.3
52.5°	32.6	32.1	31.7	32.7	33.0	32.7	31.7	32.1	32.6	32.1	31.7
53°	29.5	28.9	28.4	29.5	29.8	29.5	28.4	28.9	29.5	28.9	28.4
53.5°	26.5	26.0	25.5	26.5	26.6	26.5	25.5	26.0	26.5	26.0	25.5
54°	23.7	23.2	22.8	23.6	23.8	23.6	22.8	23.2	23.7	23.2	22.8
54.5°	21.2	20.7	20.2	20.9	21.1	20.9	20.2	20.7	21.2	20.7	20.2
55°	18.7	18.3	17.9	18.5	18.6	18.5	17.9	18.3	18.7	18.3	17.9
55.5°	16.4	16.1	15.9	16.1	16.2	16.1	15.9	16.1	16.4	16.1	15.9
56°	14.4	14.2	13.9	14.1	14.1	14.1	13.9	14.2	14.4	14.2	13.9
56.5°	12.5	12.3	12.0	12.2	12.2	12.2	12.0	12.3	12.5	12.3	12.0
57°	10.7	10.6	10.2	10.3	10.4	10.3	10.2	10.6	10.7	10.6	10.2
57.5°	8.9	8.8	8.5	8.5	8.6	8.5	8.5	8.8	8.9	8.8	8.5
58°	7.1	7.1	6.9	6.8	6.8	6.8	6.9	7.1	7.1	7.1	6.9
58.5°	5.5	5.6	5.2	5.2	5.2	5.2	5.2	5.6	5.5	5.6	5.2
59°	3.9	4.0	3.6	3.6	3.6	3.6	3.6	4.0	3.9	4.0	3.6
59.5°	2.7	2.7	2.3	2.3	2.4	2.3	2.3	2.7	2.7	2.7	2.3
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°	1.0	1.0	0.8	0.7	1.0	0.7	0.8	1.0	1.0	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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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	0.0	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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.1	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°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
148°	0.2	0.2	0.2	0.2	0.1	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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590625
CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	435.3	435.3	435.3	435.3	435.3	435.3
0.5°	435.4	435.3	435.4	435.4	435.2	435.1
1°	435.3	435.2	435.3	435.3	435.1	435.0
1.5°	435.2	435.1	435.2	435.1	434.9	434.8
2°	435.0	435.0	435.0	435.0	434.7	434.6
2.5°	434.7	434.7	434.7	434.6	434.4	434.2
3°	434.4	434.5	434.4	434.2	434.0	433.9
3.5°	434.0	434.1	434.0	433.8	433.5	433.4
4°	433.5	433.7	433.5	433.2	433.0	432.8
4.5°	432.9	433.2	432.9	432.7	432.4	432.2
5°	432.3	432.6	432.3	432.0	431.7	431.6
5.5°	431.4	431.9	431.4	431.2	430.9	430.8
6°	430.5	431.0	430.5	430.3	430.1	429.9
6.5°	429.5	430.1	429.5	429.3	429.3	429.0
7°	428.4	429.0	428.4	428.2	428.2	428.0
7.5°	427.2	427.8	427.2	427.1	427.2	426.9
8°	426.0	426.6	426.0	425.8	426.0	425.7
8.5°	424.7	425.4	424.7	424.5	424.8	424.4
9°	423.3	424.0	423.3	423.1	423.4	423.0
9.5°	421.8	422.6	421.8	421.6	421.9	421.5
10°	420.3	421.1	420.3	419.9	420.3	420.0
10.5°	418.8	419.5	418.8	418.2	418.6	418.3
11°	417.1	417.9	417.1	416.4	416.8	416.6
11.5°	415.5	416.2	415.5	414.6	415.0	414.8
12°	413.7	414.4	413.7	412.7	413.1	413.0
12.5°	411.9	412.6	411.9	410.7	411.0	411.0
13°	410.1	410.7	410.1	408.7	409.0	409.1
13.5°	408.2	408.8	408.2	406.6	406.8	407.1
14°	406.2	406.7	406.2	404.5	404.7	405.0
14.5°	404.1	404.7	404.1	402.3	402.4	403.0
15°	401.9	402.6	401.9	400.0	400.1	400.8
15.5°	399.7	400.4	399.7	397.7	397.8	398.5
16°	397.3	398.2	397.3	395.4	395.4	396.2
16.5°	394.9	396.0	394.9	392.9	392.8	393.9
17°	392.3	393.6	392.3	390.2	390.2	391.5
17.5°	389.6	391.2	389.6	387.5	387.7	388.9
18°	386.9	388.7	386.9	384.8	385.0	386.2
18.5°	384.1	386.1	384.1	381.9	382.1	383.3
19°	381.3	383.3	381.3	378.9	379.3	380.4
19.5°	378.4	380.6	378.4	375.9	376.2	377.4
20°	375.3	377.5	375.3	372.8	373.1	374.2
20.5°	372.1	374.2	372.1	369.6	369.9	370.9
21°	368.7	370.8	368.7	366.2	366.6	367.6
21.5°	365.3	367.2	365.3	362.8	363.2	364.1
22°	361.7	363.5	361.7	359.4	359.7	360.4

TEST NUMBER: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	358.1	359.6	358.1	355.9	356.0	356.6
23°	354.4	355.6	354.4	352.4	352.4	352.7
23.5°	350.5	351.6	350.5	348.8	348.6	348.7
24°	346.6	347.4	346.6	345.2	344.8	344.6
24.5°	342.7	343.1	342.7	341.5	340.9	340.4
25°	338.6	338.7	338.6	337.6	336.9	336.2
25.5°	334.4	334.2	334.4	333.7	332.8	331.8
26°	330.1	329.6	330.1	329.7	328.7	327.5
26.5°	325.8	324.9	325.8	325.6	324.5	323.0
27°	321.4	320.1	321.4	321.4	320.2	318.5
27.5°	316.8	315.3	316.8	317.0	315.7	313.9
28°	312.1	310.3	312.1	312.5	311.2	309.2
28.5°	307.3	305.4	307.3	307.8	306.5	304.3
29°	302.4	300.4	302.4	303.1	301.7	299.5
29.5°	297.4	295.3	297.4	298.2	296.8	294.4
30°	292.2	289.9	292.2	293.0	291.7	289.3
30.5°	286.8	284.6	286.8	287.8	286.6	284.3
31°	281.3	279.1	281.3	282.4	281.3	279.0
31.5°	275.8	273.6	275.8	276.9	275.9	273.7
32°	270.1	268.0	270.1	271.1	270.3	268.3
32.5°	264.4	262.4	264.4	265.3	264.8	262.9
33°	258.5	256.7	258.5	259.3	258.9	257.4
33.5°	252.6	250.9	252.6	253.3	253.1	252.0
34°	246.6	245.2	246.6	247.0	247.1	246.2
34.5°	240.4	239.4	240.4	240.8	241.2	240.6
35°	234.2	233.5	234.2	234.4	234.9	234.7
35.5°	228.0	227.6	228.0	227.9	228.6	228.8
36°	221.6	221.6	221.6	221.3	222.3	222.6
36.5°	215.3	215.6	215.3	214.7	215.9	216.5
37°	208.9	209.4	208.9	208.0	209.4	210.2
37.5°	202.5	202.9	202.5	201.3	202.8	203.7
38°	196.0	196.2	196.0	194.7	196.2	197.1
38.5°	189.4	189.6	189.4	188.1	189.7	190.6
39°	182.8	183.0	182.8	181.5	182.7	183.9
39.5°	176.2	176.5	176.2	175.0	176.0	177.0
40°	169.5	170.0	169.5	168.5	169.5	170.1
40.5°	162.8	163.5	162.8	162.0	162.9	163.3
41°	156.1	156.7	156.1	155.5	156.4	156.4
41.5°	149.5	150.0	149.5	148.9	149.8	149.6
42°	143.0	143.3	143.0	142.5	143.1	142.8
42.5°	136.7	136.6	136.7	136.2	136.5	136.1
43°	130.3	129.9	130.3	129.9	129.9	129.5
43.5°	124.0	123.2	124.0	123.7	123.4	123.0
44°	117.8	116.8	117.8	117.5	116.9	116.7
44.5°	111.8	110.5	111.8	111.5	110.7	110.3

TEST NUMBER: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	105.7	104.4	105.7	105.7	104.6	104.1
45.5°	99.7	98.4	99.7	99.8	98.6	97.9
46°	93.9	92.5	93.9	93.9	92.8	91.9
46.5°	88.2	86.8	88.2	88.2	87.1	86.1
47°	82.6	81.4	82.6	82.6	81.5	80.5
47.5°	77.2	76.1	77.2	77.1	76.1	75.0
48°	71.9	70.9	71.9	71.7	70.8	69.7
48.5°	66.8	66.0	66.8	66.4	65.7	64.7
49°	61.9	61.2	61.9	61.4	60.8	60.0
49.5°	57.2	56.7	57.2	56.7	56.2	55.6
50°	52.7	52.5	52.7	52.1	51.8	51.3
50.5°	48.3	48.4	48.3	47.7	47.4	47.0
51°	44.1	44.3	44.1	43.3	43.1	43.0
51.5°	40.1	40.4	40.1	39.1	39.1	39.4
52°	36.2	36.5	36.2	35.3	35.5	35.8
52.5°	32.7	33.0	32.7	31.7	32.1	32.6
53°	29.5	29.8	29.5	28.4	28.9	29.5
53.5°	26.5	26.6	26.5	25.5	26.0	26.5
54°	23.6	23.8	23.6	22.8	23.2	23.7
54.5°	20.9	21.1	20.9	20.2	20.7	21.2
55°	18.5	18.6	18.5	17.9	18.3	18.7
55.5°	16.1	16.2	16.1	15.9	16.1	16.4
56°	14.1	14.1	14.1	13.9	14.2	14.4
56.5°	12.2	12.2	12.2	12.0	12.3	12.5
57°	10.3	10.4	10.3	10.2	10.6	10.7
57.5°	8.5	8.6	8.5	8.5	8.8	8.9
58°	6.8	6.8	6.8	6.9	7.1	7.1
58.5°	5.2	5.2	5.2	5.2	5.6	5.5
59°	3.6	3.6	3.6	3.6	4.0	3.9
59.5°	2.3	2.4	2.3	2.3	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	1.0
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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.0	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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.1	0.0	0.1	0.0	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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.1	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	0.2
148°	0.2	0.1	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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590625

CATALOG NUMBER: HCDLS510CSD6TRMW-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	3.8	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	4.8	5.2	3.3	4.2	3.7	4.6	5.0
	6H	3.5	4.3	3.9	4.7	5.1	3.2	4.1	3.6	4.4	4.8
	8H	3.4	4.2	3.9	4.6	5.0	3.2	4.0	3.6	4.3	4.8
	12H	3.4	4.1	3.8	4.5	4.9	3.1	3.9	3.6	4.2	4.7
4H	2H	3.6	4.5	4.0	4.8	5.2	3.3	4.2	3.7	4.6	5.0
	3H	3.4	4.1	3.8	4.5	5.0	3.1	3.9	3.6	4.3	4.7
	4H	3.3	3.9	3.7	4.4	4.8	3.0	3.7	3.5	4.1	4.6
	6H	3.2	3.7	3.7	4.2	4.7	2.9	3.5	3.4	3.9	4.4
	8H	3.1	3.6	3.6	4.1	4.6	2.9	3.4	3.3	3.8	4.3
	12H	3.1	3.5	3.6	4.0	4.5	2.8	3.3	3.3	3.7	4.2
8H	4H	3.1	3.6	3.6	4.1	4.6	2.9	3.4	3.3	3.8	4.3
	6H	3.0	3.4	3.5	3.9	4.4	2.7	3.2	3.3	3.7	4.1
	8H	2.9	3.3	3.5	3.8	4.3	2.7	3.0	3.2	3.6	4.1
	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	3.3	3.3	3.7	4.2
	6H	2.9	3.3	3.5	3.8	4.3	2.7	3.1	3.2	3.5	4.1
	8H	2.9	3.2	3.4	3.7	4.3	2.6	2.9	3.1	3.4	4.0

(END OF REPORT)