

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: P1590615

Luminaire Tested: HCDLS510CSD6TRH-ME-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590615
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-ME-4000K
Description: 6" Selectable Round Trim+ Haze (Semi-specular) 700 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

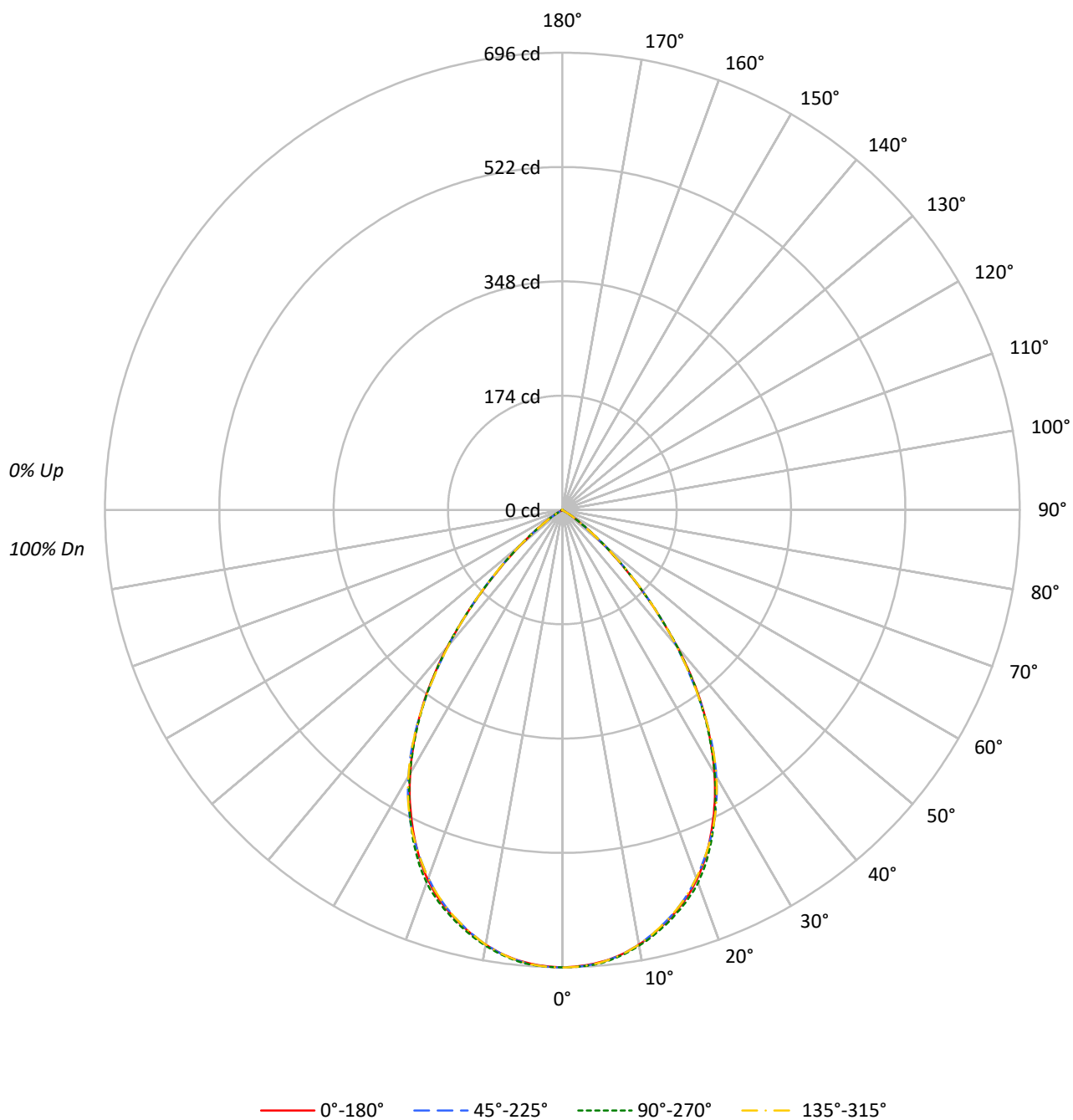
Lumens per Lamp: N/A
Luminaire Lumens: 885.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.94
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°	38171	38171	38171	38171
5°	37981	38075	37981	38075
10°	37391	37491	37391	37491
15°	36374	36544	36374	36544
20°	34916	35225	34916	35225
25°	32518	32766	32518	32766
30°	29296	29353	29296	29353
35°	25123	24989	25123	24989
40°	19465	19458	19465	19458
45°	12908	12939	12908	12939
50°	6993	7164	6993	7164
55°	2858	2839	2858	2839
60°	318	263	318	263
65°	52	39	52	39
70°	16	16	16	16
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: 13110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	7.4
10°-20°	180.1	20.4
20°-30°	246.9	27.9
30°-40°	231.6	26.2
40°-50°	130.3	14.7
50°-60°	29.7	3.4
60°-70°	0.5	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°	0.1	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°	492.4	55.6
0°-40°	724.0	81.8
0°-60°	883.9	99.9
0°-90°	884.5	99.9
90°-120°	0.0	0.0
90°-150°	0.3	0.0
90°-180°	1.0	0.1
0°-180°	885.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	696	696	696	696	696	
5°	690	692	690	692	690	65
15°	641	644	641	644	641	180
25°	538	542	538	542	538	246
35°	375	373	375	373	375	232
45°	166	167	166	167	166	129
55°	30	30	30	30	30	30
65°	0	0	0	0	0	1
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°	696.3	696.3	696.3	696.3	696.3	696.3	696.3	696.3	696.3	696.3	696.3
0.5°	695.9	696.1	696.4	696.3	696.2	696.3	696.4	696.1	695.9	696.1	696.4
1°	695.8	695.9	696.2	696.2	696.0	696.2	696.2	695.9	695.8	695.9	696.2
1.5°	695.4	695.6	696.0	696.0	695.8	696.0	696.0	695.6	695.4	695.6	696.0
2°	695.0	695.2	695.6	695.7	695.6	695.7	695.6	695.2	695.0	695.2	695.6
2.5°	694.5	694.7	695.1	695.3	695.3	695.3	695.1	694.7	694.5	694.7	695.1
3°	693.9	694.1	694.5	694.7	694.9	694.7	694.5	694.1	693.9	694.1	694.5
3.5°	693.1	693.3	693.8	694.1	694.3	694.1	693.8	693.3	693.1	693.3	693.8
4°	692.2	692.5	692.9	693.3	693.7	693.3	692.9	692.5	692.2	692.5	692.9
4.5°	691.3	691.5	692.0	692.4	692.9	692.4	692.0	691.5	691.3	691.5	692.0
5°	690.2	690.4	690.9	691.3	691.9	691.3	690.9	690.4	690.2	690.4	690.9
5.5°	689.0	689.2	689.6	690.0	690.7	690.0	689.6	689.2	689.0	689.2	689.6
6°	687.6	687.9	688.1	688.5	689.4	688.5	688.1	687.9	687.6	687.9	688.1
6.5°	686.1	686.5	686.6	686.9	687.8	686.9	686.6	686.5	686.1	686.5	686.6
7°	684.6	684.9	684.8	685.2	686.2	685.2	684.8	684.9	684.6	684.9	684.8
7.5°	682.8	683.2	683.0	683.3	684.2	683.3	683.0	683.2	682.8	683.2	683.0
8°	680.9	681.3	681.0	681.3	682.4	681.3	681.0	681.3	680.9	681.3	681.0
8.5°	678.8	679.3	678.9	679.2	680.3	679.2	678.9	679.3	678.8	679.3	678.9
9°	676.6	677.1	676.6	676.9	678.1	676.9	676.6	677.1	676.6	677.1	676.6
9.5°	674.2	674.8	674.2	674.6	675.9	674.6	674.2	674.8	674.2	674.8	674.2
10°	671.7	672.3	671.6	672.2	673.5	672.2	671.6	672.3	671.7	672.3	671.6
10.5°	669.1	669.5	668.9	669.8	671.0	669.8	668.9	669.5	669.1	669.5	668.9
11°	666.3	666.7	666.0	667.2	668.4	667.2	666.0	666.7	666.3	666.7	666.0
11.5°	663.4	663.7	663.0	664.5	665.6	664.5	663.0	663.7	663.4	663.7	663.0
12°	660.5	660.6	660.0	661.7	662.8	661.7	660.0	660.6	660.5	660.6	660.0
12.5°	657.4	657.4	656.8	658.8	659.8	658.8	656.8	657.4	657.4	657.4	656.8
13°	654.3	654.1	653.6	655.9	656.9	655.9	653.6	654.1	654.3	654.1	653.6
13.5°	651.0	650.7	650.3	652.9	653.8	652.9	650.3	650.7	651.0	650.7	650.3
14°	647.8	647.3	646.9	649.6	650.5	649.6	646.9	647.3	647.8	647.3	646.9
14.5°	644.5	643.6	643.4	646.3	647.3	646.3	643.4	643.6	644.5	643.6	643.4
15°	640.9	639.9	639.8	642.8	643.9	642.8	639.8	639.9	640.9	639.9	639.8
15.5°	637.3	636.2	636.1	639.3	640.4	639.3	636.1	636.2	637.3	636.2	636.1
16°	633.7	632.4	632.3	635.5	636.8	635.5	632.3	632.4	633.7	632.4	632.3
16.5°	630.0	628.2	628.3	631.5	633.3	631.5	628.3	628.2	630.0	628.2	628.3
17°	626.2	624.1	624.1	627.5	629.5	627.5	624.1	624.1	626.2	624.1	624.1
17.5°	622.0	620.0	619.8	623.2	625.7	623.2	619.8	620.0	622.0	620.0	619.8
18°	617.7	615.7	615.4	618.8	621.7	618.8	615.4	615.7	617.7	615.7	615.4
18.5°	613.1	611.1	610.8	614.3	617.4	614.3	610.8	611.1	613.1	611.1	610.8
19°	608.5	606.6	606.0	609.8	613.1	609.8	606.0	606.6	608.5	606.6	606.0
19.5°	603.5	601.7	601.1	605.2	608.7	605.2	601.1	601.7	603.5	601.7	601.1
20°	598.5	596.8	596.2	600.2	603.8	600.2	596.2	596.8	598.5	596.8	596.2
20.5°	593.3	591.7	591.1	595.1	598.5	595.1	591.1	591.7	593.3	591.7	591.1
21°	587.9	586.4	585.7	589.7	593.1	589.7	585.7	586.4	587.9	586.4	585.7
21.5°	582.3	580.9	580.3	584.2	587.4	584.2	580.3	580.9	582.3	580.9	580.3
22°	576.4	575.3	574.7	578.5	581.4	578.5	574.7	575.3	576.4	575.3	574.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	570.3	569.4	569.2	572.7	575.1	572.7	569.2	569.4	570.3	569.4	569.2
23°	564.1	563.5	563.5	566.7	568.8	566.7	563.5	563.5	564.1	563.5	563.5
23.5°	557.7	557.5	557.8	560.6	562.3	560.6	557.8	557.5	557.7	557.5	557.8
24°	551.1	551.4	552.1	554.4	555.6	554.4	552.1	551.4	551.1	551.4	552.1
24.5°	544.4	545.2	546.1	548.0	548.7	548.0	546.1	545.2	544.4	545.2	546.1
25°	537.6	538.8	540.0	541.5	541.7	541.5	540.0	538.8	537.6	538.8	540.0
25.5°	530.7	532.3	533.8	534.8	534.4	534.8	533.8	532.3	530.7	532.3	533.8
26°	523.7	525.7	527.4	528.0	527.1	528.0	527.4	525.7	523.7	525.7	527.4
26.5°	516.6	519.0	520.7	521.1	519.6	521.1	520.7	519.0	516.6	519.0	520.7
27°	509.3	512.1	514.0	514.0	512.0	514.0	514.0	512.1	509.3	512.1	514.0
27.5°	502.0	505.0	507.0	506.7	504.3	506.7	507.0	505.0	502.0	505.0	507.0
28°	494.6	497.6	499.8	499.2	496.3	499.2	499.8	497.6	494.6	497.6	499.8
28.5°	486.7	490.2	492.4	491.5	488.4	491.5	492.4	490.2	486.7	490.2	492.4
29°	479.0	482.5	484.7	483.6	480.4	483.6	484.7	482.5	479.0	482.5	484.7
29.5°	470.9	474.6	476.9	475.6	472.2	475.6	476.9	474.6	470.9	474.6	476.9
30°	462.8	466.5	468.7	467.3	463.7	467.3	468.7	466.5	462.8	466.5	468.7
30.5°	454.6	458.3	460.3	458.7	455.2	458.7	460.3	458.3	454.6	458.3	460.3
31°	446.2	449.9	451.7	449.9	446.4	449.9	451.7	449.9	446.2	449.9	451.7
31.5°	437.8	441.2	442.8	441.1	437.5	441.1	442.8	441.2	437.8	441.2	442.8
32°	429.1	432.3	433.6	432.0	428.6	432.0	433.6	432.3	429.1	432.3	433.6
32.5°	420.5	423.5	424.3	422.9	419.6	422.9	424.3	423.5	420.5	423.5	424.3
33°	411.7	414.1	414.7	413.5	410.5	413.5	414.7	414.1	411.7	414.1	414.7
33.5°	403.1	404.8	405.1	403.9	401.3	403.9	405.1	404.8	403.1	404.8	405.1
34°	393.8	395.2	395.1	394.4	392.2	394.4	395.1	395.2	393.8	395.2	395.1
34.5°	384.7	385.7	385.1	384.5	382.9	384.5	385.1	385.7	384.7	385.7	385.1
35°	375.4	375.6	374.8	374.6	373.4	374.6	374.8	375.6	375.4	375.6	374.8
35.5°	365.9	365.6	364.5	364.6	364.1	364.6	364.5	365.6	365.9	365.6	364.5
36°	356.0	355.5	353.9	354.5	354.5	354.5	353.9	355.5	356.0	355.5	353.9
36.5°	346.2	345.3	343.5	344.3	344.9	344.3	343.5	345.3	346.2	345.3	343.5
37°	336.1	334.9	332.6	334.2	334.9	334.2	332.6	334.9	336.1	334.9	332.6
37.5°	325.8	324.4	322.0	323.9	324.6	323.9	322.0	324.4	325.8	324.4	322.0
38°	315.3	313.9	311.4	313.4	313.7	313.4	311.4	313.9	315.3	313.9	311.4
38.5°	304.8	303.3	300.8	302.9	303.2	302.9	300.8	303.3	304.8	303.3	300.8
39°	294.1	292.2	290.3	292.3	292.7	292.3	290.3	292.2	294.1	292.2	290.3
39.5°	283.0	281.5	279.9	281.7	282.3	281.7	279.9	281.5	283.0	281.5	279.9
40°	272.0	271.0	269.5	271.0	271.9	271.0	269.5	271.0	272.0	271.0	269.5
40.5°	261.1	260.6	259.2	260.4	261.4	260.4	259.2	260.6	261.1	260.6	259.2
41°	250.1	250.1	248.7	249.7	250.6	249.7	248.7	250.1	250.1	250.1	248.7
41.5°	239.2	239.5	238.2	239.1	239.9	239.1	238.2	239.5	239.2	239.5	238.2
42°	228.4	228.8	227.9	228.7	229.1	228.7	227.9	228.8	228.4	228.8	227.9
42.5°	217.7	218.3	217.8	218.6	218.4	218.6	217.8	218.3	217.7	218.3	217.8
43°	207.2	207.7	207.8	208.4	207.7	208.4	207.8	207.7	207.2	207.7	207.8
43.5°	196.8	197.4	197.8	198.3	197.1	198.3	197.8	197.4	196.8	197.4	197.8
44°	186.6	187.0	188.0	188.4	186.8	188.4	188.0	187.0	186.6	187.0	188.0
44.5°	176.4	177.1	178.4	178.9	176.8	178.9	178.4	177.1	176.4	177.1	178.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	166.5	167.3	169.0	169.1	166.9	169.1	169.0	167.3	166.5	167.3	169.0
45.5°	156.6	157.7	159.6	159.4	157.3	159.4	159.6	157.7	156.6	157.7	159.6
46°	147.0	148.4	150.3	150.1	147.9	150.1	150.3	148.4	147.0	148.4	150.3
46.5°	137.7	139.3	141.1	141.0	138.9	141.0	141.1	139.3	137.7	139.3	141.1
47°	128.7	130.4	132.1	132.2	130.1	132.2	132.1	130.4	128.7	130.4	132.1
47.5°	120.0	121.7	123.3	123.5	121.6	123.5	123.3	121.7	120.0	121.7	123.3
48°	111.5	113.2	114.7	115.0	113.4	115.0	114.7	113.2	111.5	113.2	114.7
48.5°	103.5	105.1	106.3	106.9	105.5	106.9	106.3	105.1	103.5	105.1	106.3
49°	95.9	97.2	98.2	98.9	97.9	98.9	98.2	97.2	95.9	97.2	98.2
49.5°	88.9	89.9	90.6	91.4	90.7	91.4	90.6	89.9	88.9	89.9	90.6
50°	82.0	82.8	83.4	84.3	84.0	84.3	83.4	82.8	82.0	82.8	83.4
50.5°	75.2	75.8	76.3	77.3	77.4	77.3	76.3	75.8	75.2	75.8	76.3
51°	68.7	69.0	69.3	70.5	70.9	70.5	69.3	69.0	68.7	69.0	69.3
51.5°	63.0	62.6	62.6	64.1	64.6	64.1	62.6	62.6	63.0	62.6	62.6
52°	57.3	56.8	56.4	58.0	58.5	58.0	56.4	56.8	57.3	56.8	56.4
52.5°	52.1	51.3	50.7	52.3	52.8	52.3	50.7	51.3	52.1	51.3	50.7
53°	47.1	46.3	45.5	47.2	47.6	47.2	45.5	46.3	47.1	46.3	45.5
53.5°	42.5	41.5	40.7	42.3	42.6	42.3	40.7	41.5	42.5	41.5	40.7
54°	38.0	37.2	36.4	37.7	38.0	37.7	36.4	37.2	38.0	37.2	36.4
54.5°	33.9	33.1	32.4	33.5	33.7	33.5	32.4	33.1	33.9	33.1	32.4
55°	29.9	29.3	28.7	29.5	29.7	29.5	28.7	29.3	29.9	29.3	28.7
55.5°	26.3	25.8	25.4	25.8	25.9	25.8	25.4	25.8	26.3	25.8	25.4
56°	23.0	22.6	22.2	22.6	22.5	22.6	22.2	22.6	23.0	22.6	22.2
56.5°	19.9	19.7	19.2	19.4	19.5	19.4	19.2	19.7	19.9	19.7	19.2
57°	17.1	16.9	16.4	16.5	16.6	16.5	16.4	16.9	17.1	16.9	16.4
57.5°	14.2	14.2	13.6	13.6	13.7	13.6	13.6	14.2	14.2	14.2	13.6
58°	11.3	11.4	11.0	10.9	10.8	10.9	11.0	11.4	11.3	11.4	11.0
58.5°	8.8	8.9	8.3	8.3	8.3	8.3	8.3	8.9	8.8	8.9	8.3
59°	6.2	6.4	5.7	5.7	5.7	5.7	5.7	6.4	6.2	6.4	5.7
59.5°	4.3	4.3	3.6	3.6	3.8	3.6	3.6	4.3	4.3	4.3	3.6
60°	2.9	2.9	2.4	2.2	2.4	2.2	2.4	2.9	2.9	2.9	2.4
60.5°	1.8	2.0	1.6	1.5	2.0	1.5	1.6	2.0	1.8	2.0	1.6
61°	1.5	1.7	1.3	1.2	1.6	1.2	1.3	1.7	1.5	1.7	1.3
61.5°	1.2	1.3	0.9	0.9	1.2	0.9	0.9	1.3	1.2	1.3	0.9
62°	1.0	1.0	0.7	0.7	0.9	0.7	0.7	1.0	1.0	1.0	0.7
62.5°	0.7	0.8	0.6	0.5	0.5	0.5	0.6	0.8	0.7	0.8	0.6
63°	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5
63.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
64°	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4
64.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
65°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
65.5°	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
66°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
66.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
68.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
72.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
149.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	696.3	696.3	696.3	696.3	696.3	696.3
0.5°	696.3	696.2	696.3	696.4	696.1	695.9
1°	696.2	696.0	696.2	696.2	695.9	695.8
1.5°	696.0	695.8	696.0	696.0	695.6	695.4
2°	695.7	695.6	695.7	695.6	695.2	695.0
2.5°	695.3	695.3	695.3	695.1	694.7	694.5
3°	694.7	694.9	694.7	694.5	694.1	693.9
3.5°	694.1	694.3	694.1	693.8	693.3	693.1
4°	693.3	693.7	693.3	692.9	692.5	692.2
4.5°	692.4	692.9	692.4	692.0	691.5	691.3
5°	691.3	691.9	691.3	690.9	690.4	690.2
5.5°	690.0	690.7	690.0	689.6	689.2	689.0
6°	688.5	689.4	688.5	688.1	687.9	687.6
6.5°	686.9	687.8	686.9	686.6	686.5	686.1
7°	685.2	686.2	685.2	684.8	684.9	684.6
7.5°	683.3	684.2	683.3	683.0	683.2	682.8
8°	681.3	682.4	681.3	681.0	681.3	680.9
8.5°	679.2	680.3	679.2	678.9	679.3	678.8
9°	676.9	678.1	676.9	676.6	677.1	676.6
9.5°	674.6	675.9	674.6	674.2	674.8	674.2
10°	672.2	673.5	672.2	671.6	672.3	671.7
10.5°	669.8	671.0	669.8	668.9	669.5	669.1
11°	667.2	668.4	667.2	666.0	666.7	666.3
11.5°	664.5	665.6	664.5	663.0	663.7	663.4
12°	661.7	662.8	661.7	660.0	660.6	660.5
12.5°	658.8	659.8	658.8	656.8	657.4	657.4
13°	655.9	656.9	655.9	653.6	654.1	654.3
13.5°	652.9	653.8	652.9	650.3	650.7	651.0
14°	649.6	650.5	649.6	646.9	647.3	647.8
14.5°	646.3	647.3	646.3	643.4	643.6	644.5
15°	642.8	643.9	642.8	639.8	639.9	640.9
15.5°	639.3	640.4	639.3	636.1	636.2	637.3
16°	635.5	636.8	635.5	632.3	632.4	633.7
16.5°	631.5	633.3	631.5	628.3	628.2	630.0
17°	627.5	629.5	627.5	624.1	624.1	626.2
17.5°	623.2	625.7	623.2	619.8	620.0	622.0
18°	618.8	621.7	618.8	615.4	615.7	617.7
18.5°	614.3	617.4	614.3	610.8	611.1	613.1
19°	609.8	613.1	609.8	606.0	606.6	608.5
19.5°	605.2	608.7	605.2	601.1	601.7	603.5
20°	600.2	603.8	600.2	596.2	596.8	598.5
20.5°	595.1	598.5	595.1	591.1	591.7	593.3
21°	589.7	593.1	589.7	585.7	586.4	587.9
21.5°	584.2	587.4	584.2	580.3	580.9	582.3
22°	578.5	581.4	578.5	574.7	575.3	576.4

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	572.7	575.1	572.7	569.2	569.4	570.3
23°	566.7	568.8	566.7	563.5	563.5	564.1
23.5°	560.6	562.3	560.6	557.8	557.5	557.7
24°	554.4	555.6	554.4	552.1	551.4	551.1
24.5°	548.0	548.7	548.0	546.1	545.2	544.4
25°	541.5	541.7	541.5	540.0	538.8	537.6
25.5°	534.8	534.4	534.8	533.8	532.3	530.7
26°	528.0	527.1	528.0	527.4	525.7	523.7
26.5°	521.1	519.6	521.1	520.7	519.0	516.6
27°	514.0	512.0	514.0	514.0	512.1	509.3
27.5°	506.7	504.3	506.7	507.0	505.0	502.0
28°	499.2	496.3	499.2	499.8	497.6	494.6
28.5°	491.5	488.4	491.5	492.4	490.2	486.7
29°	483.6	480.4	483.6	484.7	482.5	479.0
29.5°	475.6	472.2	475.6	476.9	474.6	470.9
30°	467.3	463.7	467.3	468.7	466.5	462.8
30.5°	458.7	455.2	458.7	460.3	458.3	454.6
31°	449.9	446.4	449.9	451.7	449.9	446.2
31.5°	441.1	437.5	441.1	442.8	441.2	437.8
32°	432.0	428.6	432.0	433.6	432.3	429.1
32.5°	422.9	419.6	422.9	424.3	423.5	420.5
33°	413.5	410.5	413.5	414.7	414.1	411.7
33.5°	403.9	401.3	403.9	405.1	404.8	403.1
34°	394.4	392.2	394.4	395.1	395.2	393.8
34.5°	384.5	382.9	384.5	385.1	385.7	384.7
35°	374.6	373.4	374.6	374.8	375.6	375.4
35.5°	364.6	364.1	364.6	364.5	365.6	365.9
36°	354.5	354.5	354.5	353.9	355.5	356.0
36.5°	344.3	344.9	344.3	343.5	345.3	346.2
37°	334.2	334.9	334.2	332.6	334.9	336.1
37.5°	323.9	324.6	323.9	322.0	324.4	325.8
38°	313.4	313.7	313.4	311.4	313.9	315.3
38.5°	302.9	303.2	302.9	300.8	303.3	304.8
39°	292.3	292.7	292.3	290.3	292.2	294.1
39.5°	281.7	282.3	281.7	279.9	281.5	283.0
40°	271.0	271.9	271.0	269.5	271.0	272.0
40.5°	260.4	261.4	260.4	259.2	260.6	261.1
41°	249.7	250.6	249.7	248.7	250.1	250.1
41.5°	239.1	239.9	239.1	238.2	239.5	239.2
42°	228.7	229.1	228.7	227.9	228.8	228.4
42.5°	218.6	218.4	218.6	217.8	218.3	217.7
43°	208.4	207.7	208.4	207.8	207.7	207.2
43.5°	198.3	197.1	198.3	197.8	197.4	196.8
44°	188.4	186.8	188.4	188.0	187.0	186.6
44.5°	178.9	176.8	178.9	178.4	177.1	176.4

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	169.1	166.9	169.1	169.0	167.3	166.5
45.5°	159.4	157.3	159.4	159.6	157.7	156.6
46°	150.1	147.9	150.1	150.3	148.4	147.0
46.5°	141.0	138.9	141.0	141.1	139.3	137.7
47°	132.2	130.1	132.2	132.1	130.4	128.7
47.5°	123.5	121.6	123.5	123.3	121.7	120.0
48°	115.0	113.4	115.0	114.7	113.2	111.5
48.5°	106.9	105.5	106.9	106.3	105.1	103.5
49°	98.9	97.9	98.9	98.2	97.2	95.9
49.5°	91.4	90.7	91.4	90.6	89.9	88.9
50°	84.3	84.0	84.3	83.4	82.8	82.0
50.5°	77.3	77.4	77.3	76.3	75.8	75.2
51°	70.5	70.9	70.5	69.3	69.0	68.7
51.5°	64.1	64.6	64.1	62.6	62.6	63.0
52°	58.0	58.5	58.0	56.4	56.8	57.3
52.5°	52.3	52.8	52.3	50.7	51.3	52.1
53°	47.2	47.6	47.2	45.5	46.3	47.1
53.5°	42.3	42.6	42.3	40.7	41.5	42.5
54°	37.7	38.0	37.7	36.4	37.2	38.0
54.5°	33.5	33.7	33.5	32.4	33.1	33.9
55°	29.5	29.7	29.5	28.7	29.3	29.9
55.5°	25.8	25.9	25.8	25.4	25.8	26.3
56°	22.6	22.5	22.6	22.2	22.6	23.0
56.5°	19.4	19.5	19.4	19.2	19.7	19.9
57°	16.5	16.6	16.5	16.4	16.9	17.1
57.5°	13.6	13.7	13.6	13.6	14.2	14.2
58°	10.9	10.8	10.9	11.0	11.4	11.3
58.5°	8.3	8.3	8.3	8.3	8.9	8.8
59°	5.7	5.7	5.7	5.7	6.4	6.2
59.5°	3.6	3.8	3.6	3.6	4.3	4.3
60°	2.2	2.4	2.2	2.4	2.9	2.9
60.5°	1.5	2.0	1.5	1.6	2.0	1.8
61°	1.2	1.6	1.2	1.3	1.7	1.5
61.5°	0.9	1.2	0.9	0.9	1.3	1.2
62°	0.7	0.9	0.7	0.7	1.0	1.0
62.5°	0.5	0.5	0.5	0.6	0.8	0.7
63°	0.4	0.4	0.4	0.5	0.6	0.6
63.5°	0.4	0.4	0.4	0.4	0.5	0.5
64°	0.3	0.3	0.3	0.4	0.4	0.5
64.5°	0.3	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.3	0.3	0.4
65.5°	0.2	0.2	0.2	0.3	0.3	0.3
66°	0.2	0.2	0.2	0.2	0.3	0.3
66.5°	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.1	0.1	0.1	0.2	0.2	0.2
68°	0.1	0.1	0.1	0.1	0.2	0.2
68.5°	0.1	0.1	0.1	0.1	0.1	0.2
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	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.0	0.0	0.0	0.1	0.1	0.1
72°	0.0	0.0	0.0	0.0	0.1	0.1
72.5°	0.0	0.0	0.0	0.0	0.1	0.1
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: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1
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: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	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	0.3	0.3
149.5°	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.3	0.3	0.3	0.3	0.3	0.3
154°	0.3	0.3	0.3	0.3	0.3	0.3
154.5°	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.3	0.3	0.3	0.3	0.3	0.3
176.5°	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590615

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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	5.5	6.6	5.9	6.9	7.3	5.2	6.3	5.6	6.6	7.0
	3H	5.3	6.3	5.7	6.7	7.0	5.0	6.0	5.4	6.4	6.7
	4H	5.3	6.2	5.7	6.5	6.9	5.0	5.9	5.4	6.2	6.6
	6H	5.2	6.0	5.6	6.4	6.8	4.9	5.7	5.3	6.1	6.5
	8H	5.1	5.9	5.5	6.3	6.7	4.8	5.6	5.2	6.0	6.4
	12H	5.0	5.8	5.5	6.2	6.6	4.8	5.5	5.2	5.9	6.3
4H	2H	5.3	6.2	5.7	6.5	6.9	5.0	5.9	5.4	6.2	6.6
	3H	5.1	5.8	5.5	6.2	6.6	4.8	5.5	5.2	5.9	6.3
	4H	5.0	5.6	5.4	6.0	6.5	4.7	5.3	5.1	5.7	6.2
	6H	4.9	5.4	5.3	5.9	6.3	4.6	5.1	5.0	5.6	6.0
	8H	4.8	5.3	5.3	5.8	6.2	4.5	5.0	5.0	5.5	5.9
	12H	4.7	5.2	5.2	5.7	6.2	4.4	4.9	4.9	5.4	5.9
8H	4H	4.8	5.3	5.3	5.8	6.2	4.5	5.0	5.0	5.5	5.9
	6H	4.7	5.1	5.2	5.6	6.1	4.4	4.8	4.9	5.3	5.8
	8H	4.6	5.0	5.1	5.5	6.0	4.3	4.7	4.8	5.2	5.7
	12H	4.5	4.9	5.1	5.4	5.9	4.2	4.6	4.8	5.1	5.7
12H	4H	4.7	5.2	5.2	5.7	6.2	4.4	4.9	4.9	5.4	5.9
	6H	4.6	5.0	5.1	5.5	6.0	4.3	4.7	4.8	5.2	5.7
	8H	4.5	4.9	5.1	5.4	5.9	4.2	4.6	4.8	5.1	5.7

(END OF REPORT)