

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: P1590603

Luminaire Tested: HCDLS510CSD6TRH-HI-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590603
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-HI-3000K
Description: 6" Selectable Round Trim+ Haze (Semi-specular) 1000 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

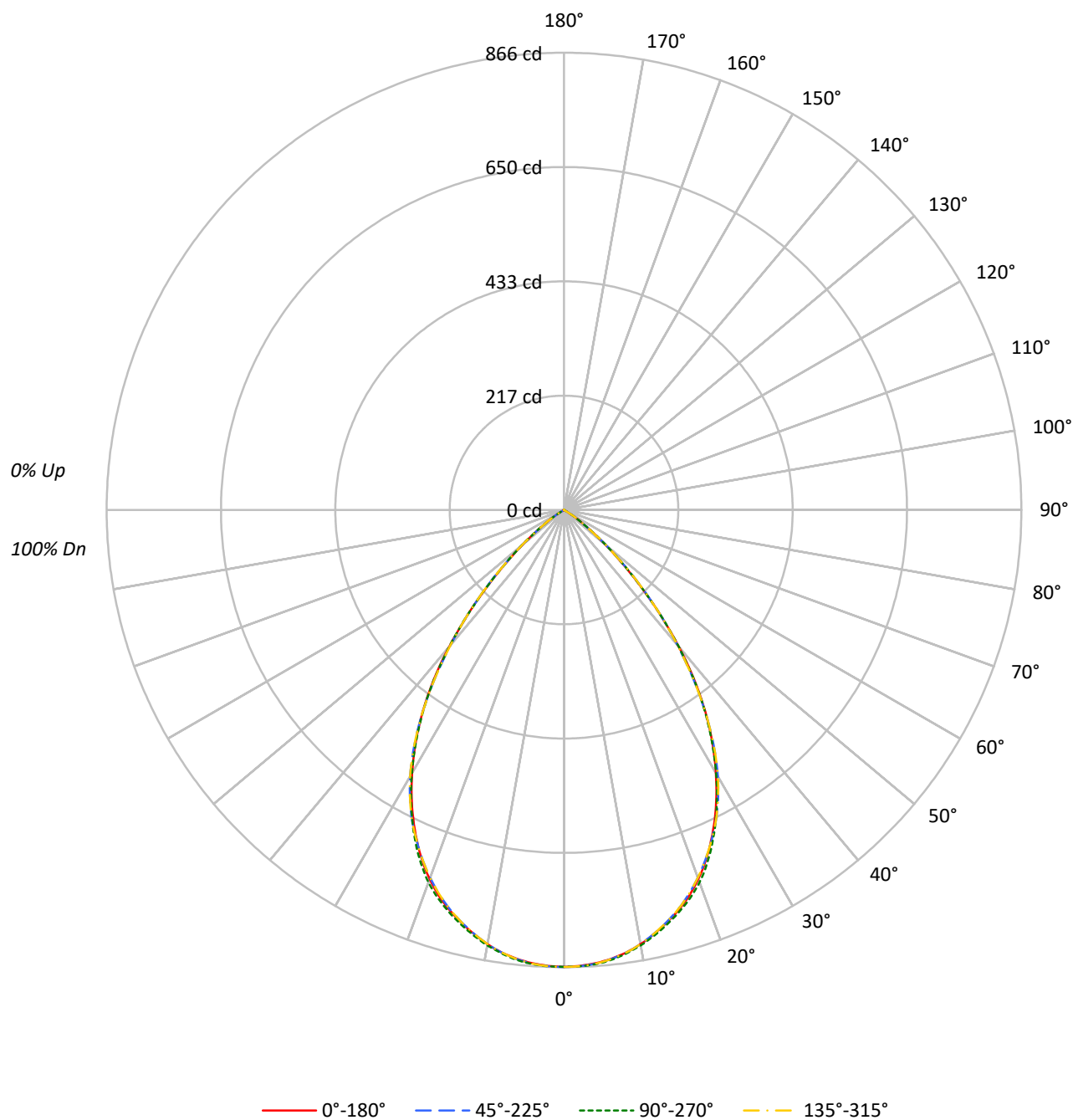
Lumens per Lamp: N/A
Luminaire Lumens: 1100.0 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): =20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

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°	47441	47441	47441	47441
5°	47210	47325	47210	47325
10°	46475	46598	46475	46598
15°	45216	45420	45216	45420
20°	43398	43783	43398	43783
25°	40424	40726	40424	40726
30°	36411	36480	36411	36480
35°	31226	31066	31226	31066
40°	24195	24181	24195	24181
45°	16040	16087	16040	16087
50°	8691	8904	8691	8904
55°	3555	3527	3555	3527
60°	395	329	395	329
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: 16289 cd/sqm

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	7.4
10°-20°	223.9	20.4
20°-30°	306.9	27.9
30°-40°	287.9	26.2
40°-50°	162.0	14.7
50°-60°	36.9	3.4
60°-70°	0.6	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°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	612.0	55.6
0°-40°	899.9	81.8
0°-60°	1098.7	99.9
0°-90°	1099.3	99.9
90°-120°	0.0	0.0
90°-150°	0.3	0.0
90°-180°	1.0	0.1
0°-180°	1100.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	865	865	865	865	865	
5°	858	860	858	860	858	81
15°	797	800	797	800	797	224
25°	668	673	668	673	668	306
35°	467	464	467	464	467	288
45°	207	208	207	208	207	161
55°	37	37	37	37	37	37
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

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4
0.5°	865.0	865.2	865.6	865.5	865.3	865.5	865.6	865.2	865.0	865.2	865.6
1°	864.8	864.9	865.4	865.3	865.1	865.3	865.4	864.9	864.8	864.9	865.4
1.5°	864.4	864.6	865.0	865.1	864.9	865.1	865.0	864.6	864.4	864.6	865.0
2°	863.9	864.1	864.6	864.7	864.6	864.7	864.6	864.1	863.9	864.1	864.6
2.5°	863.2	863.4	864.0	864.2	864.2	864.2	864.0	863.4	863.2	863.4	864.0
3°	862.4	862.7	863.2	863.5	863.7	863.5	863.2	862.7	862.4	862.7	863.2
3.5°	861.5	861.8	862.3	862.7	863.0	862.7	862.3	861.8	861.5	861.8	862.3
4°	860.4	860.7	861.2	861.7	862.2	861.7	861.2	860.7	860.4	860.7	861.2
4.5°	859.3	859.5	860.1	860.6	861.2	860.6	860.1	859.5	859.3	859.5	860.1
5°	857.9	858.2	858.7	859.3	860.0	859.3	858.7	858.2	857.9	858.2	858.7
5.5°	856.4	856.6	857.1	857.6	858.5	857.6	857.1	856.6	856.4	856.6	857.1
6°	854.7	855.1	855.3	855.8	856.8	855.8	855.3	855.1	854.7	855.1	855.3
6.5°	852.8	853.3	853.4	853.8	854.9	853.8	853.4	853.3	852.8	853.3	853.4
7°	850.9	851.3	851.2	851.6	852.8	851.6	851.2	851.3	850.9	851.3	851.2
7.5°	848.7	849.2	848.9	849.3	850.5	849.3	848.9	849.2	848.7	849.2	848.9
8°	846.3	846.8	846.5	846.8	848.1	846.8	846.5	846.8	846.3	846.8	846.5
8.5°	843.7	844.4	843.9	844.2	845.6	844.2	843.9	844.4	843.7	844.4	843.9
9°	841.0	841.6	841.0	841.4	842.8	841.4	841.0	841.6	841.0	841.6	841.0
9.5°	837.9	838.7	838.0	838.5	840.1	838.5	838.0	838.7	837.9	838.7	838.0
10°	834.9	835.6	834.7	835.5	837.1	835.5	834.7	835.6	834.9	835.6	834.7
10.5°	831.6	832.1	831.3	832.5	834.0	832.5	831.3	832.1	831.6	832.1	831.3
11°	828.2	828.6	827.8	829.2	830.7	829.2	827.8	828.6	828.2	828.6	827.8
11.5°	824.6	825.0	824.1	825.9	827.3	825.9	824.1	825.0	824.6	825.0	824.1
12°	821.0	821.1	820.3	822.5	823.8	822.5	820.3	821.1	821.0	821.1	820.3
12.5°	817.1	817.1	816.4	818.9	820.1	818.9	816.4	817.1	817.1	817.1	816.4
13°	813.2	813.0	812.4	815.2	816.5	815.2	812.4	813.0	813.2	813.0	812.4
13.5°	809.2	808.7	808.3	811.5	812.6	811.5	808.3	808.7	809.2	808.7	808.3
14°	805.2	804.5	804.0	807.5	808.6	807.5	804.0	804.5	805.2	804.5	804.0
14.5°	801.0	799.9	799.7	803.3	804.5	803.3	799.7	799.9	801.0	799.9	799.7
15°	796.7	795.4	795.2	799.0	800.3	799.0	795.2	795.4	796.7	795.4	795.2
15.5°	792.1	790.7	790.6	794.6	796.0	794.6	790.6	790.7	792.1	790.7	790.6
16°	787.6	786.0	785.9	789.9	791.6	789.9	785.9	786.0	787.6	786.0	785.9
16.5°	783.0	780.8	780.9	784.9	787.1	784.9	780.9	780.8	783.0	780.8	780.9
17°	778.3	775.8	775.7	779.9	782.5	779.9	775.7	775.8	778.3	775.8	775.7
17.5°	773.1	770.6	770.4	774.6	777.7	774.6	770.4	770.6	773.1	770.6	770.4
18°	767.7	765.3	764.9	769.1	772.7	769.1	764.9	765.3	767.7	765.3	764.9
18.5°	762.0	759.6	759.2	763.6	767.4	763.6	759.2	759.6	762.0	759.6	759.2
19°	756.3	753.9	753.3	758.0	762.0	758.0	753.3	753.9	756.3	753.9	753.3
19.5°	750.2	747.9	747.2	752.2	756.5	752.2	747.2	747.9	750.2	747.9	747.2
20°	743.9	741.8	741.0	746.0	750.5	746.0	741.0	741.8	743.9	741.8	741.0
20.5°	737.4	735.4	734.7	739.7	743.9	739.7	734.7	735.4	737.4	735.4	734.7
21°	730.7	728.8	728.0	733.0	737.2	733.0	728.0	728.8	730.7	728.8	728.0
21.5°	723.8	722.0	721.2	726.2	730.0	726.2	721.2	722.0	723.8	722.0	721.2
22°	716.5	715.0	714.4	719.0	722.6	719.0	714.4	715.0	716.5	715.0	714.4

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	708.9	707.7	707.5	711.8	714.8	711.8	707.5	707.7	708.9	707.7	707.5
23°	701.1	700.4	700.4	704.4	707.0	704.4	700.4	700.4	701.1	700.4	700.4
23.5°	693.2	692.9	693.3	696.8	698.9	696.8	693.3	692.9	693.2	692.9	693.3
24°	685.0	685.3	686.2	689.1	690.5	689.1	686.2	685.3	685.0	685.3	686.2
24.5°	676.7	677.6	678.8	681.2	682.0	681.2	678.8	677.6	676.7	677.6	678.8
25°	668.3	669.7	671.2	673.1	673.3	673.1	671.2	669.7	668.3	669.7	671.2
25.5°	659.7	661.7	663.4	664.8	664.3	664.8	663.4	661.7	659.7	661.7	663.4
26°	651.0	653.4	655.5	656.3	655.2	656.3	655.5	653.4	651.0	653.4	655.5
26.5°	642.1	645.1	647.2	647.6	645.8	647.6	647.2	645.1	642.1	645.1	647.2
27°	633.0	636.5	638.8	638.8	636.4	638.8	638.8	636.5	633.0	636.5	638.8
27.5°	623.9	627.6	630.2	629.8	626.8	629.8	630.2	627.6	623.9	627.6	630.2
28°	614.7	618.5	621.2	620.4	616.9	620.4	621.2	618.5	614.7	618.5	621.2
28.5°	605.0	609.3	612.0	610.9	607.1	610.9	612.0	609.3	605.0	609.3	612.0
29°	595.3	599.8	602.5	601.1	597.1	601.1	602.5	599.8	595.3	599.8	602.5
29.5°	585.3	590.0	592.7	591.2	587.0	591.2	592.7	590.0	585.3	590.0	592.7
30°	575.2	579.8	582.5	580.8	576.3	580.8	582.5	579.8	575.2	579.8	582.5
30.5°	565.1	569.7	572.1	570.1	565.8	570.1	572.1	569.7	565.1	569.7	572.1
31°	554.6	559.2	561.4	559.2	554.8	559.2	561.4	559.2	554.6	559.2	561.4
31.5°	544.1	548.4	550.4	548.3	543.8	548.3	550.4	548.4	544.1	548.4	550.4
32°	533.4	537.3	538.9	537.0	532.8	537.0	538.9	537.3	533.4	537.3	538.9
32.5°	522.7	526.3	527.4	525.6	521.6	525.6	527.4	526.3	522.7	526.3	527.4
33°	511.7	514.7	515.5	514.0	510.2	514.0	515.5	514.7	511.7	514.7	515.5
33.5°	501.0	503.2	503.5	502.1	498.8	502.1	503.5	503.2	501.0	503.2	503.5
34°	489.5	491.2	491.1	490.2	487.4	490.2	491.1	491.2	489.5	491.2	491.1
34.5°	478.2	479.4	478.7	477.9	475.9	477.9	478.7	479.4	478.2	479.4	478.7
35°	466.6	466.9	465.9	465.7	464.2	465.7	465.9	466.9	466.6	466.9	465.9
35.5°	454.8	454.5	453.0	453.2	452.5	453.2	453.0	454.5	454.8	454.5	453.0
36°	442.5	441.9	439.9	440.6	440.6	440.6	439.9	441.9	442.5	441.9	439.9
36.5°	430.3	429.2	426.9	427.9	428.6	427.9	426.9	429.2	430.3	429.2	426.9
37°	417.8	416.2	413.5	415.3	416.2	415.3	413.5	416.2	417.8	416.2	413.5
37.5°	404.9	403.2	400.2	402.5	403.4	402.5	400.2	403.2	404.9	403.2	400.2
38°	391.8	390.1	387.1	389.6	389.9	389.6	387.1	390.1	391.8	390.1	387.1
38.5°	378.9	377.0	373.9	376.4	376.8	376.4	373.9	377.0	378.9	377.0	373.9
39°	365.6	363.2	360.8	363.3	363.8	363.3	360.8	363.2	365.6	363.2	360.8
39.5°	351.8	349.9	347.9	350.2	350.9	350.2	347.9	349.9	351.8	349.9	347.9
40°	338.1	336.9	334.9	336.9	337.9	336.9	334.9	336.9	338.1	336.9	334.9
40.5°	324.6	323.9	322.1	323.6	324.9	323.6	322.1	323.9	324.6	323.9	322.1
41°	310.9	310.8	309.1	310.4	311.5	310.4	309.1	310.8	310.9	310.8	309.1
41.5°	297.3	297.7	296.0	297.2	298.2	297.2	296.0	297.7	297.3	297.7	296.0
42°	283.9	284.4	283.3	284.2	284.8	284.2	283.3	284.4	283.9	284.4	283.3
42.5°	270.6	271.3	270.7	271.7	271.5	271.7	270.7	271.3	270.6	271.3	270.7
43°	257.5	258.1	258.3	259.1	258.2	259.1	258.3	258.1	257.5	258.1	258.3
43.5°	244.6	245.3	245.9	246.5	245.0	246.5	245.9	245.3	244.6	245.3	245.9
44°	231.9	232.4	233.6	234.2	232.2	234.2	233.6	232.4	231.9	232.4	233.6
44.5°	219.2	220.1	221.7	222.3	219.7	222.3	221.7	220.1	219.2	220.1	221.7

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	206.9	207.9	210.0	210.1	207.5	210.1	210.0	207.9	206.9	207.9	210.0
45.5°	194.7	196.1	198.4	198.2	195.6	198.2	198.4	196.1	194.7	196.1	198.4
46°	182.7	184.4	186.8	186.6	183.9	186.6	186.8	184.4	182.7	184.4	186.8
46.5°	171.2	173.1	175.4	175.3	172.6	175.3	175.4	173.1	171.2	173.1	175.4
47°	159.9	162.1	164.2	164.3	161.7	164.3	164.2	162.1	159.9	162.1	164.2
47.5°	149.1	151.2	153.2	153.5	151.2	153.5	153.2	151.2	149.1	151.2	153.2
48°	138.6	140.7	142.5	142.9	141.0	142.9	142.5	140.7	138.6	140.7	142.5
48.5°	128.6	130.6	132.1	132.8	131.2	132.8	132.1	130.6	128.6	130.6	132.1
49°	119.2	120.8	122.0	123.0	121.7	123.0	122.0	120.8	119.2	120.8	122.0
49.5°	110.4	111.7	112.6	113.6	112.8	113.6	112.6	111.7	110.4	111.7	112.6
50°	101.9	102.9	103.6	104.8	104.4	104.8	103.6	102.9	101.9	102.9	103.6
50.5°	93.5	94.2	94.8	96.1	96.2	96.1	94.8	94.2	93.5	94.2	94.8
51°	85.4	85.7	86.1	87.6	88.1	87.6	86.1	85.7	85.4	85.7	86.1
51.5°	78.3	77.8	77.8	79.7	80.3	79.7	77.8	77.8	78.3	77.8	77.8
52°	71.2	70.6	70.1	72.0	72.7	72.0	70.1	70.6	71.2	70.6	70.1
52.5°	64.7	63.8	63.0	65.1	65.7	65.1	63.0	63.8	64.7	63.8	63.0
53°	58.6	57.5	56.5	58.6	59.2	58.6	56.5	57.5	58.6	57.5	56.5
53.5°	52.8	51.6	50.6	52.6	53.0	52.6	50.6	51.6	52.8	51.6	50.6
54°	47.2	46.2	45.2	46.9	47.2	46.9	45.2	46.2	47.2	46.2	45.2
54.5°	42.1	41.1	40.2	41.6	41.9	41.6	40.2	41.1	42.1	41.1	40.2
55°	37.2	36.4	35.6	36.7	36.9	36.7	35.6	36.4	37.2	36.4	35.6
55.5°	32.6	32.0	31.5	32.1	32.1	32.1	31.5	32.0	32.6	32.0	31.5
56°	28.6	28.1	27.6	28.0	28.0	28.0	27.6	28.1	28.6	28.1	27.6
56.5°	24.8	24.5	23.9	24.2	24.2	24.2	23.9	24.5	24.8	24.5	23.9
57°	21.2	21.0	20.4	20.5	20.6	20.5	20.4	21.0	21.2	21.0	20.4
57.5°	17.7	17.6	16.9	16.9	17.0	16.9	16.9	17.6	17.7	17.6	16.9
58°	14.1	14.2	13.6	13.5	13.5	13.5	13.6	14.2	14.1	14.2	13.6
58.5°	10.9	11.0	10.3	10.3	10.3	10.3	10.3	11.0	10.9	11.0	10.3
59°	7.7	7.9	7.1	7.1	7.1	7.1	7.1	7.9	7.7	7.9	7.1
59.5°	5.4	5.4	4.5	4.5	4.8	4.5	4.5	5.4	5.4	5.4	4.5
60°	3.6	3.5	3.0	2.7	3.0	2.7	3.0	3.5	3.6	3.5	3.0
60.5°	2.3	2.5	2.0	1.8	2.4	1.8	2.0	2.5	2.3	2.5	2.0
61°	1.9	2.1	1.6	1.5	2.0	1.5	1.6	2.1	1.9	2.1	1.6
61.5°	1.5	1.6	1.2	1.2	1.5	1.2	1.2	1.6	1.5	1.6	1.2
62°	1.2	1.2	0.9	0.9	1.1	0.9	0.9	1.2	1.2	1.2	0.9
62.5°	0.9	1.0	0.7	0.7	0.6	0.7	0.7	1.0	0.9	1.0	0.7
63°	0.7	0.7	0.6	0.6	0.5	0.6	0.6	0.7	0.7	0.7	0.6
63.5°	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5
64°	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5
64.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
65°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
65.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
66°	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
66.5°	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
67°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
69.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
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°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
144°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
144.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
145°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
145.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
146°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
146.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
148°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
148.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
149°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
153°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
153.5°	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
154°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
154.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
156°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
156.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
158°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
158.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
159°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
159.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
163°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
163.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
164°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
164.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
166°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
166.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
168°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
168.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
169°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
169.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
171°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
171.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
173°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
173.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
174°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
174.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
176°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
176.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
178°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
178.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
179°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
179.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1590603
CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	865.4	865.4	865.4	865.4	865.4	865.4
0.5°	865.5	865.3	865.5	865.6	865.2	865.0
1°	865.3	865.1	865.3	865.4	864.9	864.8
1.5°	865.1	864.9	865.1	865.0	864.6	864.4
2°	864.7	864.6	864.7	864.6	864.1	863.9
2.5°	864.2	864.2	864.2	864.0	863.4	863.2
3°	863.5	863.7	863.5	863.2	862.7	862.4
3.5°	862.7	863.0	862.7	862.3	861.8	861.5
4°	861.7	862.2	861.7	861.2	860.7	860.4
4.5°	860.6	861.2	860.6	860.1	859.5	859.3
5°	859.3	860.0	859.3	858.7	858.2	857.9
5.5°	857.6	858.5	857.6	857.1	856.6	856.4
6°	855.8	856.8	855.8	855.3	855.1	854.7
6.5°	853.8	854.9	853.8	853.4	853.3	852.8
7°	851.6	852.8	851.6	851.2	851.3	850.9
7.5°	849.3	850.5	849.3	848.9	849.2	848.7
8°	846.8	848.1	846.8	846.5	846.8	846.3
8.5°	844.2	845.6	844.2	843.9	844.4	843.7
9°	841.4	842.8	841.4	841.0	841.6	841.0
9.5°	838.5	840.1	838.5	838.0	838.7	837.9
10°	835.5	837.1	835.5	834.7	835.6	834.9
10.5°	832.5	834.0	832.5	831.3	832.1	831.6
11°	829.2	830.7	829.2	827.8	828.6	828.2
11.5°	825.9	827.3	825.9	824.1	825.0	824.6
12°	822.5	823.8	822.5	820.3	821.1	821.0
12.5°	818.9	820.1	818.9	816.4	817.1	817.1
13°	815.2	816.5	815.2	812.4	813.0	813.2
13.5°	811.5	812.6	811.5	808.3	808.7	809.2
14°	807.5	808.6	807.5	804.0	804.5	805.2
14.5°	803.3	804.5	803.3	799.7	799.9	801.0
15°	799.0	800.3	799.0	795.2	795.4	796.7
15.5°	794.6	796.0	794.6	790.6	790.7	792.1
16°	789.9	791.6	789.9	785.9	786.0	787.6
16.5°	784.9	787.1	784.9	780.9	780.8	783.0
17°	779.9	782.5	779.9	775.7	775.8	778.3
17.5°	774.6	777.7	774.6	770.4	770.6	773.1
18°	769.1	772.7	769.1	764.9	765.3	767.7
18.5°	763.6	767.4	763.6	759.2	759.6	762.0
19°	758.0	762.0	758.0	753.3	753.9	756.3
19.5°	752.2	756.5	752.2	747.2	747.9	750.2
20°	746.0	750.5	746.0	741.0	741.8	743.9
20.5°	739.7	743.9	739.7	734.7	735.4	737.4
21°	733.0	737.2	733.0	728.0	728.8	730.7
21.5°	726.2	730.0	726.2	721.2	722.0	723.8
22°	719.0	722.6	719.0	714.4	715.0	716.5

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	711.8	714.8	711.8	707.5	707.7	708.9
23°	704.4	707.0	704.4	700.4	700.4	701.1
23.5°	696.8	698.9	696.8	693.3	692.9	693.2
24°	689.1	690.5	689.1	686.2	685.3	685.0
24.5°	681.2	682.0	681.2	678.8	677.6	676.7
25°	673.1	673.3	673.1	671.2	669.7	668.3
25.5°	664.8	664.3	664.8	663.4	661.7	659.7
26°	656.3	655.2	656.3	655.5	653.4	651.0
26.5°	647.6	645.8	647.6	647.2	645.1	642.1
27°	638.8	636.4	638.8	638.8	636.5	633.0
27.5°	629.8	626.8	629.8	630.2	627.6	623.9
28°	620.4	616.9	620.4	621.2	618.5	614.7
28.5°	610.9	607.1	610.9	612.0	609.3	605.0
29°	601.1	597.1	601.1	602.5	599.8	595.3
29.5°	591.2	587.0	591.2	592.7	590.0	585.3
30°	580.8	576.3	580.8	582.5	579.8	575.2
30.5°	570.1	565.8	570.1	572.1	569.7	565.1
31°	559.2	554.8	559.2	561.4	559.2	554.6
31.5°	548.3	543.8	548.3	550.4	548.4	544.1
32°	537.0	532.8	537.0	538.9	537.3	533.4
32.5°	525.6	521.6	525.6	527.4	526.3	522.7
33°	514.0	510.2	514.0	515.5	514.7	511.7
33.5°	502.1	498.8	502.1	503.5	503.2	501.0
34°	490.2	487.4	490.2	491.1	491.2	489.5
34.5°	477.9	475.9	477.9	478.7	479.4	478.2
35°	465.7	464.2	465.7	465.9	466.9	466.6
35.5°	453.2	452.5	453.2	453.0	454.5	454.8
36°	440.6	440.6	440.6	439.9	441.9	442.5
36.5°	427.9	428.6	427.9	426.9	429.2	430.3
37°	415.3	416.2	415.3	413.5	416.2	417.8
37.5°	402.5	403.4	402.5	400.2	403.2	404.9
38°	389.6	389.9	389.6	387.1	390.1	391.8
38.5°	376.4	376.8	376.4	373.9	377.0	378.9
39°	363.3	363.8	363.3	360.8	363.2	365.6
39.5°	350.2	350.9	350.2	347.9	349.9	351.8
40°	336.9	337.9	336.9	334.9	336.9	338.1
40.5°	323.6	324.9	323.6	322.1	323.9	324.6
41°	310.4	311.5	310.4	309.1	310.8	310.9
41.5°	297.2	298.2	297.2	296.0	297.7	297.3
42°	284.2	284.8	284.2	283.3	284.4	283.9
42.5°	271.7	271.5	271.7	270.7	271.3	270.6
43°	259.1	258.2	259.1	258.3	258.1	257.5
43.5°	246.5	245.0	246.5	245.9	245.3	244.6
44°	234.2	232.2	234.2	233.6	232.4	231.9
44.5°	222.3	219.7	222.3	221.7	220.1	219.2

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	210.1	207.5	210.1	210.0	207.9	206.9
45.5°	198.2	195.6	198.2	198.4	196.1	194.7
46°	186.6	183.9	186.6	186.8	184.4	182.7
46.5°	175.3	172.6	175.3	175.4	173.1	171.2
47°	164.3	161.7	164.3	164.2	162.1	159.9
47.5°	153.5	151.2	153.5	153.2	151.2	149.1
48°	142.9	141.0	142.9	142.5	140.7	138.6
48.5°	132.8	131.2	132.8	132.1	130.6	128.6
49°	123.0	121.7	123.0	122.0	120.8	119.2
49.5°	113.6	112.8	113.6	112.6	111.7	110.4
50°	104.8	104.4	104.8	103.6	102.9	101.9
50.5°	96.1	96.2	96.1	94.8	94.2	93.5
51°	87.6	88.1	87.6	86.1	85.7	85.4
51.5°	79.7	80.3	79.7	77.8	77.8	78.3
52°	72.0	72.7	72.0	70.1	70.6	71.2
52.5°	65.1	65.7	65.1	63.0	63.8	64.7
53°	58.6	59.2	58.6	56.5	57.5	58.6
53.5°	52.6	53.0	52.6	50.6	51.6	52.8
54°	46.9	47.2	46.9	45.2	46.2	47.2
54.5°	41.6	41.9	41.6	40.2	41.1	42.1
55°	36.7	36.9	36.7	35.6	36.4	37.2
55.5°	32.1	32.1	32.1	31.5	32.0	32.6
56°	28.0	28.0	28.0	27.6	28.1	28.6
56.5°	24.2	24.2	24.2	23.9	24.5	24.8
57°	20.5	20.6	20.5	20.4	21.0	21.2
57.5°	16.9	17.0	16.9	16.9	17.6	17.7
58°	13.5	13.5	13.5	13.6	14.2	14.1
58.5°	10.3	10.3	10.3	10.3	11.0	10.9
59°	7.1	7.1	7.1	7.1	7.9	7.7
59.5°	4.5	4.8	4.5	4.5	5.4	5.4
60°	2.7	3.0	2.7	3.0	3.5	3.6
60.5°	1.8	2.4	1.8	2.0	2.5	2.3
61°	1.5	2.0	1.5	1.6	2.1	1.9
61.5°	1.2	1.5	1.2	1.2	1.6	1.5
62°	0.9	1.1	0.9	0.9	1.2	1.2
62.5°	0.7	0.6	0.7	0.7	1.0	0.9
63°	0.6	0.5	0.6	0.6	0.7	0.7
63.5°	0.5	0.5	0.5	0.5	0.6	0.6
64°	0.4	0.4	0.4	0.5	0.5	0.6
64.5°	0.4	0.4	0.4	0.4	0.5	0.5
65°	0.3	0.3	0.3	0.4	0.4	0.4
65.5°	0.3	0.3	0.3	0.3	0.4	0.4
66°	0.3	0.2	0.3	0.3	0.3	0.3
66.5°	0.2	0.2	0.2	0.3	0.3	0.3
67°	0.2	0.2	0.2	0.2	0.3	0.3

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.1	0.1	0.1	0.2	0.2	0.2
69°	0.1	0.1	0.1	0.1	0.2	0.2
69.5°	0.1	0.1	0.1	0.1	0.1	0.2
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°	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.0	0.0	0.0	0.1	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	0.1	0.1
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: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1
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: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	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	0.3	0.3
144°	0.3	0.3	0.3	0.3	0.3	0.3
144.5°	0.3	0.3	0.3	0.3	0.3	0.3
145°	0.3	0.3	0.3	0.3	0.3	0.3
145.5°	0.3	0.3	0.3	0.3	0.3	0.3
146°	0.3	0.3	0.3	0.3	0.3	0.3
146.5°	0.3	0.3	0.3	0.3	0.3	0.3
147°	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.3	0.3	0.3	0.3
148°	0.3	0.3	0.3	0.3	0.3	0.3
148.5°	0.3	0.3	0.3	0.3	0.3	0.3
149°	0.3	0.3	0.3	0.3	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	0.4	0.4
153°	0.3	0.3	0.3	0.4	0.4	0.4
153.5°	0.4	0.3	0.4	0.4	0.4	0.4
154°	0.4	0.4	0.4	0.4	0.4	0.4
154.5°	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4
155.5°	0.4	0.4	0.4	0.4	0.4	0.4
156°	0.4	0.4	0.4	0.4	0.4	0.4
156.5°	0.4	0.4	0.4	0.4	0.4	0.4
157°	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.4	0.4	0.4	0.4	0.4	0.4
158°	0.4	0.4	0.4	0.4	0.4	0.4
158.5°	0.4	0.4	0.4	0.4	0.4	0.4
159°	0.4	0.4	0.4	0.4	0.4	0.4
159.5°	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4
160.5°	0.4	0.4	0.4	0.4	0.4	0.4
161°	0.4	0.4	0.4	0.4	0.4	0.4
161.5°	0.4	0.4	0.4	0.4	0.4	0.4
162°	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4
163°	0.4	0.4	0.4	0.4	0.4	0.4
163.5°	0.4	0.4	0.4	0.4	0.4	0.4
164°	0.4	0.4	0.4	0.4	0.4	0.4
164.5°	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4
165.5°	0.4	0.4	0.4	0.4	0.4	0.4
166°	0.4	0.4	0.4	0.4	0.4	0.4
166.5°	0.4	0.4	0.4	0.4	0.4	0.4
167°	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.4	0.4	0.4	0.4	0.4	0.4
168°	0.4	0.4	0.4	0.4	0.4	0.4
168.5°	0.4	0.4	0.4	0.4	0.4	0.4
169°	0.4	0.4	0.4	0.4	0.4	0.4
169.5°	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.4	0.4	0.4	0.4
170.5°	0.4	0.4	0.4	0.4	0.4	0.4
171°	0.4	0.4	0.4	0.4	0.4	0.4
171.5°	0.4	0.4	0.4	0.4	0.4	0.4
172°	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.4	0.4	0.4	0.4	0.4	0.4
173°	0.4	0.4	0.4	0.4	0.4	0.4
173.5°	0.4	0.4	0.4	0.4	0.4	0.4
174°	0.4	0.4	0.4	0.4	0.4	0.4
174.5°	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4
175.5°	0.4	0.4	0.4	0.4	0.4	0.4
176°	0.4	0.4	0.4	0.4	0.4	0.4
176.5°	0.4	0.4	0.4	0.4	0.4	0.4
177°	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.4	0.4	0.4	0.4	0.4	0.4
178°	0.4	0.4	0.4	0.4	0.4	0.4
178.5°	0.4	0.4	0.4	0.4	0.4	0.4
179°	0.4	0.4	0.4	0.4	0.4	0.4
179.5°	0.4	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590603

CATALOG NUMBER: HCDLS510CSD6TRH-HI-3000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	6.3	7.4	6.6	7.7	8.0	6.0	7.1	6.3	7.4	7.7
	3H	6.1	7.1	6.5	7.4	7.8	5.8	6.8	6.2	7.1	7.5
	4H	6.0	6.9	6.4	7.3	7.7	5.7	6.6	6.1	7.0	7.4
	6H	5.9	6.7	6.3	7.1	7.5	5.6	6.4	6.0	6.8	7.2
	8H	5.9	6.6	6.3	7.0	7.4	5.6	6.3	6.0	6.7	7.1
	12H	5.8	6.5	6.2	6.9	7.4	5.5	6.2	5.9	6.6	7.1
4H	2H	6.0	6.9	6.4	7.3	7.7	5.7	6.6	6.1	7.0	7.4
	3H	5.8	6.6	6.2	7.0	7.4	5.5	6.3	5.9	6.7	7.1
	4H	5.7	6.4	6.2	6.8	7.2	5.4	6.1	5.9	6.5	6.9
	6H	5.6	6.2	6.1	6.6	7.1	5.3	5.9	5.8	6.3	6.8
	8H	5.5	6.1	6.0	6.5	7.0	5.2	5.8	5.7	6.2	6.7
	12H	5.5	5.9	6.0	6.4	6.9	5.2	5.6	5.7	6.1	6.6
8H	4H	5.5	6.1	6.0	6.5	7.0	5.2	5.8	5.7	6.2	6.7
	6H	5.4	5.8	5.9	6.3	6.8	5.1	5.5	5.6	6.0	6.5
	8H	5.4	5.7	5.9	6.2	6.7	5.0	5.4	5.6	5.9	6.4
	12H	5.3	5.6	5.8	6.1	6.7	5.0	5.3	5.5	5.8	6.4
12H	4H	5.5	5.9	6.0	6.4	6.9	5.2	5.6	5.7	6.1	6.6
	6H	5.4	5.7	5.9	6.2	6.8	5.1	5.4	5.6	5.9	6.5
	8H	5.3	5.6	5.8	6.1	6.7	5.0	5.3	5.5	5.8	6.4

(END OF REPORT)