

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: P1590590

Luminaire Tested: HCDLS510CSD6TRC-HI-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590590
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: HCDLS510CSD6TRC-HI-4000K
Description: 6" Selectable Round Trim + Specular Clear 1000 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

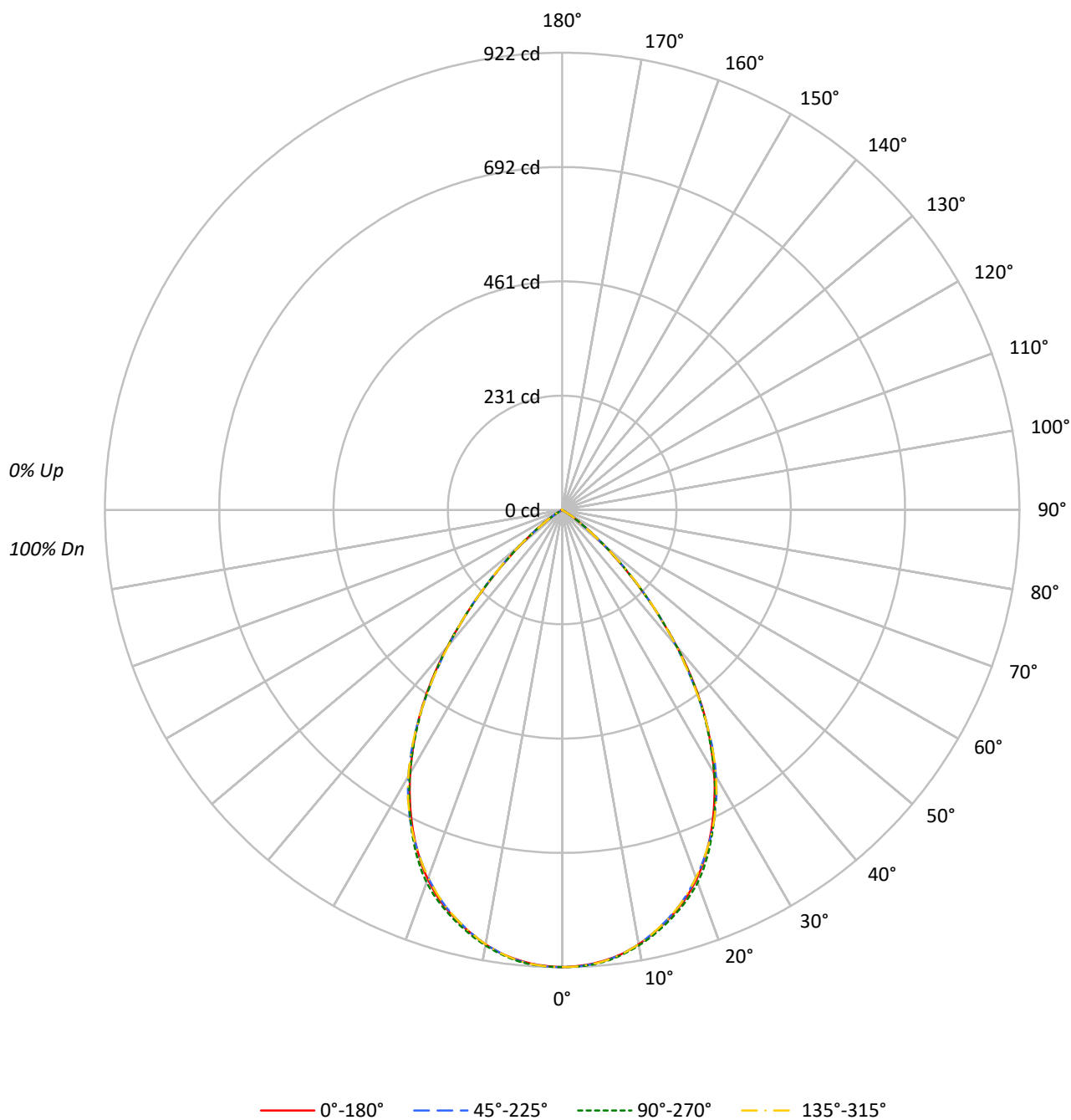
Lumens per Lamp: N/A
Luminaire Lumens: 1171.6 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
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°	50528	50528	50528	50528
5°	50281	50407	50281	50407
10°	49504	49632	49504	49632
15°	48156	48377	48156	48377
20°	46227	46630	46227	46630
25°	43049	43375	43049	43375
30°	38778	38854	38778	38854
35°	33261	33087	33261	33087
40°	25770	25755	25770	25755
45°	17087	17134	17087	17134
50°	9253	9484	9253	9484
55°	3785	3756	3785	3756
60°	428	351	428	351
65°	65	39	65	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: 17351 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	7.4
10°-20°	238.4	20.4
20°-30°	326.9	27.9
30°-40°	306.6	26.2
40°-50°	172.5	14.7
50°-60°	39.3	3.4
60°-70°	0.7	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°	651.8	55.6
0°-40°	958.4	81.8
0°-60°	1170.2	99.9
0°-90°	1170.9	99.9
90°-120°	0.0	0.0
90°-150°	0.4	0.0
90°-180°	1.0	0.1
0°-180°	1171.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	922	922	922	922	922	
5°	914	916	914	916	914	86
15°	848	852	848	852	848	238
25°	712	717	712	717	712	326
35°	497	494	497	494	497	307
45°	220	221	220	221	220	171
55°	40	39	40	39	40	40
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°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
0.5°	921.3	921.5	921.9	921.8	921.6	921.8	921.9	921.5	921.3	921.5	921.9
1°	921.1	921.2	921.7	921.7	921.4	921.7	921.7	921.2	921.1	921.2	921.7
1.5°	920.6	920.8	921.3	921.4	921.2	921.4	921.3	920.8	920.6	920.8	921.3
2°	920.1	920.3	920.9	921.0	920.9	921.0	920.9	920.3	920.1	920.3	920.9
2.5°	919.4	919.7	920.2	920.5	920.4	920.5	920.2	919.7	919.4	919.7	920.2
3°	918.6	918.8	919.4	919.7	920.0	919.7	919.4	918.8	918.6	918.8	919.4
3.5°	917.5	917.8	918.4	918.9	919.2	918.9	918.4	917.8	917.5	917.8	918.4
4°	916.4	916.8	917.3	917.8	918.4	917.8	917.3	916.8	916.4	916.8	917.3
4.5°	915.2	915.4	916.1	916.6	917.2	916.6	916.1	915.4	915.2	915.4	916.1
5°	913.7	914.0	914.6	915.2	916.0	915.2	914.6	914.0	913.7	914.0	914.6
5.5°	912.1	912.4	912.9	913.5	914.4	913.5	912.9	912.4	912.1	912.4	912.9
6°	910.3	910.7	911.0	911.5	912.6	911.5	911.0	910.7	910.3	910.7	911.0
6.5°	908.3	908.9	908.9	909.4	910.6	909.4	908.9	908.9	908.3	908.9	908.9
7°	906.3	906.7	906.6	907.1	908.4	907.1	906.6	906.7	906.3	906.7	906.6
7.5°	903.9	904.5	904.2	904.6	905.8	904.6	904.2	904.5	903.9	904.5	904.2
8°	901.4	902.0	901.6	901.9	903.3	901.9	901.6	902.0	901.4	902.0	901.6
8.5°	898.6	899.3	898.8	899.1	900.6	899.1	898.8	899.3	898.6	899.3	898.8
9°	895.7	896.4	895.8	896.2	897.7	896.2	895.8	896.4	895.7	896.4	895.8
9.5°	892.5	893.3	892.6	893.1	894.8	893.1	892.6	893.3	892.5	893.3	892.6
10°	889.3	890.0	889.1	889.9	891.6	889.9	889.1	890.0	889.3	890.0	889.1
10.5°	885.7	886.3	885.5	886.7	888.2	886.7	885.5	886.3	885.7	886.3	885.5
11°	882.1	882.6	881.7	883.2	884.8	883.2	881.7	882.6	882.1	882.6	881.7
11.5°	878.3	878.6	877.8	879.7	881.2	879.7	877.8	878.6	878.3	878.6	877.8
12°	874.4	874.6	873.7	876.0	877.4	876.0	873.7	874.6	874.4	874.6	873.7
12.5°	870.2	870.3	869.5	872.2	873.5	872.2	869.5	870.3	870.2	870.3	869.5
13°	866.1	866.0	865.2	868.3	869.6	868.3	865.2	866.0	866.1	866.0	865.2
13.5°	861.9	861.4	860.9	864.3	865.5	864.3	860.9	861.4	861.9	861.4	860.9
14°	857.6	856.9	856.4	860.0	861.2	860.0	856.4	856.9	857.6	856.9	856.4
14.5°	853.2	852.0	851.7	855.6	856.9	855.6	851.7	852.0	853.2	852.0	851.7
15°	848.5	847.2	846.9	851.0	852.4	851.0	846.9	847.2	848.5	847.2	846.9
15.5°	843.7	842.2	842.1	846.4	847.8	846.4	842.1	842.2	843.7	842.2	842.1
16°	838.9	837.1	837.1	841.3	843.1	841.3	837.1	837.1	838.9	837.1	837.1
16.5°	834.0	831.7	831.8	836.0	838.4	836.0	831.8	831.7	834.0	831.7	831.8
17°	828.9	826.3	826.2	830.6	833.4	830.6	826.2	826.3	828.9	826.3	826.2
17.5°	823.4	820.8	820.5	825.0	828.3	825.0	820.5	820.8	823.4	820.8	820.5
18°	817.7	815.1	814.7	819.2	823.0	819.2	814.7	815.1	817.7	815.1	814.7
18.5°	811.6	809.1	808.6	813.3	817.4	813.3	808.6	809.1	811.6	809.1	808.6
19°	805.5	803.0	802.3	807.3	811.6	807.3	802.3	803.0	805.5	803.0	802.3
19.5°	799.0	796.6	795.8	801.1	805.8	801.1	795.8	796.6	799.0	796.6	795.8
20°	792.4	790.0	789.3	794.6	799.3	794.6	789.3	790.0	792.4	790.0	789.3
20.5°	785.4	783.3	782.5	787.9	792.3	787.9	782.5	783.3	785.4	783.3	782.5
21°	778.3	776.3	775.4	780.7	785.2	780.7	775.4	776.3	778.3	776.3	775.4
21.5°	770.9	769.0	768.2	773.5	777.6	773.5	768.2	769.0	770.9	769.0	768.2
22°	763.1	761.6	760.9	765.8	769.6	765.8	760.9	761.6	763.1	761.6	760.9

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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°	755.0	753.8	753.6	758.2	761.3	758.2	753.6	753.8	755.0	753.8	753.6
23°	746.7	746.0	746.0	750.3	753.0	750.3	746.0	746.0	746.7	746.0	746.0
23.5°	738.3	738.0	738.5	742.1	744.4	742.1	738.5	738.0	738.3	738.0	738.5
24°	729.5	730.0	730.9	733.9	735.5	733.9	730.9	730.0	729.5	730.0	730.9
24.5°	720.8	721.7	723.0	725.5	726.3	725.5	723.0	721.7	720.8	721.7	723.0
25°	711.7	713.3	714.9	716.9	717.1	716.9	714.9	713.3	711.7	713.3	714.9
25.5°	702.6	704.7	706.6	708.0	707.5	708.0	706.6	704.7	702.6	704.7	706.6
26°	693.3	696.0	698.2	699.0	697.8	699.0	698.2	696.0	693.3	696.0	698.2
26.5°	683.8	687.1	689.4	689.8	687.8	689.8	689.4	687.1	683.8	687.1	689.4
27°	674.3	677.9	680.4	680.4	677.8	680.4	680.4	677.9	674.3	677.9	680.4
27.5°	664.6	668.5	671.2	670.8	667.6	670.8	671.2	668.5	664.6	668.5	671.2
28°	654.7	658.8	661.6	660.8	657.0	660.8	661.6	658.8	654.7	658.8	661.6
28.5°	644.4	648.9	651.8	650.7	646.6	650.7	651.8	648.9	644.4	648.9	651.8
29°	634.1	638.8	641.7	640.3	635.9	640.3	641.7	638.8	634.1	638.8	641.7
29.5°	623.4	628.4	631.3	629.6	625.2	629.6	631.3	628.4	623.4	628.4	631.3
30°	612.6	617.6	620.5	618.6	613.8	618.6	620.5	617.6	612.6	617.6	620.5
30.5°	601.9	606.7	609.3	607.2	602.6	607.2	609.3	606.7	601.9	606.7	609.3
31°	590.7	595.6	597.9	595.6	590.9	595.6	597.9	595.6	590.7	595.6	597.9
31.5°	579.5	584.1	586.2	584.0	579.2	584.0	586.2	584.1	579.5	584.1	586.2
32°	568.1	572.3	574.0	571.9	567.5	571.9	574.0	572.3	568.1	572.3	574.0
32.5°	556.7	560.6	561.7	559.8	555.5	559.8	561.7	560.6	556.7	560.6	561.7
33°	545.0	548.2	549.0	547.4	543.5	547.4	549.0	548.2	545.0	548.2	549.0
33.5°	533.6	535.9	536.3	534.8	531.2	534.8	536.3	535.9	533.6	535.9	536.3
34°	521.4	523.2	523.0	522.1	519.1	522.1	523.0	523.2	521.4	523.2	523.0
34.5°	509.3	510.6	509.9	509.0	506.8	509.0	509.9	510.6	509.3	510.6	509.9
35°	497.0	497.3	496.2	496.0	494.4	496.0	496.2	497.3	497.0	497.3	496.2
35.5°	484.4	484.0	482.5	482.7	481.9	482.7	482.5	484.0	484.4	484.0	482.5
36°	471.3	470.6	468.5	469.3	469.3	469.3	468.5	470.6	471.3	470.6	468.5
36.5°	458.3	457.1	454.7	455.8	456.5	455.8	454.7	457.1	458.3	457.1	454.7
37°	445.0	443.3	440.4	442.4	443.3	442.4	440.4	443.3	445.0	443.3	440.4
37.5°	431.3	429.5	426.2	428.7	429.7	428.7	426.2	429.5	431.3	429.5	426.2
38°	417.3	415.5	412.3	414.9	415.3	414.9	412.3	415.5	417.3	415.5	412.3
38.5°	403.5	401.6	398.2	400.9	401.4	400.9	398.2	401.6	403.5	401.6	398.2
39°	389.4	386.9	384.3	386.9	387.5	386.9	384.3	386.9	389.4	386.9	384.3
39.5°	374.7	372.7	370.6	373.0	373.7	373.0	370.6	372.7	374.7	372.7	370.6
40°	360.1	358.8	356.7	358.8	359.9	358.8	356.7	358.8	360.1	358.8	356.7
40.5°	345.7	345.0	343.1	344.7	346.1	344.7	343.1	345.0	345.7	345.0	343.1
41°	331.1	331.1	329.2	330.6	331.8	330.6	329.2	331.1	331.1	331.1	329.2
41.5°	316.7	317.1	315.3	316.6	317.6	316.6	315.3	317.1	316.7	317.1	315.3
42°	302.3	303.0	301.7	302.7	303.3	302.7	301.7	303.0	302.3	303.0	301.7
42.5°	288.2	289.0	288.3	289.3	289.2	289.3	288.3	289.0	288.2	289.0	288.3
43°	274.3	275.0	275.1	275.9	275.0	275.9	275.1	275.0	274.3	275.0	275.1
43.5°	260.5	261.3	261.9	262.5	260.9	262.5	261.9	261.3	260.5	261.3	261.9
44°	247.0	247.5	248.8	249.4	247.3	249.4	248.8	247.5	247.0	247.5	248.8
44.5°	233.5	234.4	236.2	236.8	234.0	236.8	236.2	234.4	233.5	234.4	236.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	220.4	221.4	223.7	223.8	221.0	223.8	223.7	221.4	220.4	221.4	223.7
45.5°	207.4	208.8	211.3	211.1	208.3	211.1	211.3	208.8	207.4	208.8	211.3
46°	194.6	196.4	198.9	198.8	195.8	198.8	198.9	196.4	194.6	196.4	198.9
46.5°	182.3	184.4	186.8	186.7	183.9	186.7	186.8	184.4	182.3	184.4	186.8
47°	170.3	172.6	174.9	174.9	172.3	174.9	174.9	172.6	170.3	172.6	174.9
47.5°	158.8	161.1	163.2	163.5	161.0	163.5	163.2	161.1	158.8	161.1	163.2
48°	147.6	149.9	151.8	152.2	150.1	152.2	151.8	149.9	147.6	149.9	151.8
48.5°	137.0	139.1	140.7	141.5	139.7	141.5	140.7	139.1	137.0	139.1	140.7
49°	127.0	128.7	130.0	131.0	129.6	131.0	130.0	128.7	127.0	128.7	130.0
49.5°	117.6	119.0	120.0	121.0	120.1	121.0	120.0	119.0	117.6	119.0	120.0
50°	108.5	109.6	110.4	111.6	111.2	111.6	110.4	109.6	108.5	109.6	110.4
50.5°	99.6	100.3	101.0	102.4	102.4	102.4	101.0	100.3	99.6	100.3	101.0
51°	91.0	91.3	91.7	93.3	93.8	93.3	91.7	91.3	91.0	91.3	91.7
51.5°	83.4	82.9	82.8	84.9	85.5	84.9	82.8	82.9	83.4	82.9	82.8
52°	75.8	75.2	74.6	76.7	77.4	76.7	74.6	75.2	75.8	75.2	74.6
52.5°	68.9	68.0	67.1	69.3	69.9	69.3	67.1	68.0	68.9	68.0	67.1
53°	62.4	61.2	60.2	62.5	63.1	62.5	60.2	61.2	62.4	61.2	60.2
53.5°	56.2	55.0	53.9	56.0	56.4	56.0	53.9	55.0	56.2	55.0	53.9
54°	50.3	49.2	48.2	50.0	50.3	50.0	48.2	49.2	50.3	49.2	48.2
54.5°	44.8	43.8	42.9	44.3	44.6	44.3	42.9	43.8	44.8	43.8	42.9
55°	39.6	38.8	38.0	39.1	39.3	39.1	38.0	38.8	39.6	38.8	38.0
55.5°	34.8	34.1	33.6	34.2	34.2	34.2	33.6	34.1	34.8	34.1	33.6
56°	30.5	30.0	29.3	29.9	29.9	29.9	29.3	30.0	30.5	30.0	29.3
56.5°	26.4	26.1	25.5	25.7	25.8	25.7	25.5	26.1	26.4	26.1	25.5
57°	22.6	22.4	21.7	21.8	22.0	21.8	21.7	22.4	22.6	22.4	21.7
57.5°	18.8	18.7	18.0	18.0	18.2	18.0	18.0	18.7	18.8	18.7	18.0
58°	15.0	15.1	14.5	14.4	14.3	14.4	14.5	15.1	15.0	15.1	14.5
58.5°	11.7	11.8	11.0	11.0	11.0	11.0	11.0	11.8	11.7	11.8	11.0
59°	8.2	8.5	7.5	7.6	7.6	7.6	7.5	8.5	8.2	8.5	7.5
59.5°	5.7	5.7	4.8	4.8	5.1	4.8	4.8	5.7	5.7	5.7	4.8
60°	3.9	3.8	3.2	2.9	3.2	2.9	3.2	3.8	3.9	3.8	3.2
60.5°	2.4	2.7	2.1	2.0	2.6	2.0	2.1	2.7	2.4	2.7	2.1
61°	2.0	2.2	1.7	1.6	2.1	1.6	1.7	2.2	2.0	2.2	1.7
61.5°	1.6	1.7	1.2	1.2	1.6	1.2	1.2	1.7	1.6	1.7	1.2
62°	1.3	1.3	1.0	0.9	1.1	0.9	1.0	1.3	1.3	1.3	1.0
62.5°	0.9	1.0	0.8	0.7	0.7	0.7	0.8	1.0	0.9	1.0	0.8
63°	0.8	0.8	0.7	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7
63.5°	0.7	0.7	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6
64°	0.6	0.6	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.6	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°	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.5	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°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
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°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

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°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
142.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
143°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
143.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
151°	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
151.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
153°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
153.5°	0.4	0.4	0.4	0.4	0.4	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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

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°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
162°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
162.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
163°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
163.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
164°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
164.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
165.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
166°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
166.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
167°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
167.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
168°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
168.5°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4
169°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	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	0.5	0.4	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1590590
CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	921.7	921.7	921.7	921.7	921.7	921.7
0.5°	921.8	921.6	921.8	921.9	921.5	921.3
1°	921.7	921.4	921.7	921.7	921.2	921.1
1.5°	921.4	921.2	921.4	921.3	920.8	920.6
2°	921.0	920.9	921.0	920.9	920.3	920.1
2.5°	920.5	920.4	920.5	920.2	919.7	919.4
3°	919.7	920.0	919.7	919.4	918.8	918.6
3.5°	918.9	919.2	918.9	918.4	917.8	917.5
4°	917.8	918.4	917.8	917.3	916.8	916.4
4.5°	916.6	917.2	916.6	916.1	915.4	915.2
5°	915.2	916.0	915.2	914.6	914.0	913.7
5.5°	913.5	914.4	913.5	912.9	912.4	912.1
6°	911.5	912.6	911.5	911.0	910.7	910.3
6.5°	909.4	910.6	909.4	908.9	908.9	908.3
7°	907.1	908.4	907.1	906.6	906.7	906.3
7.5°	904.6	905.8	904.6	904.2	904.5	903.9
8°	901.9	903.3	901.9	901.6	902.0	901.4
8.5°	899.1	900.6	899.1	898.8	899.3	898.6
9°	896.2	897.7	896.2	895.8	896.4	895.7
9.5°	893.1	894.8	893.1	892.6	893.3	892.5
10°	889.9	891.6	889.9	889.1	890.0	889.3
10.5°	886.7	888.2	886.7	885.5	886.3	885.7
11°	883.2	884.8	883.2	881.7	882.6	882.1
11.5°	879.7	881.2	879.7	877.8	878.6	878.3
12°	876.0	877.4	876.0	873.7	874.6	874.4
12.5°	872.2	873.5	872.2	869.5	870.3	870.2
13°	868.3	869.6	868.3	865.2	866.0	866.1
13.5°	864.3	865.5	864.3	860.9	861.4	861.9
14°	860.0	861.2	860.0	856.4	856.9	857.6
14.5°	855.6	856.9	855.6	851.7	852.0	853.2
15°	851.0	852.4	851.0	846.9	847.2	848.5
15.5°	846.4	847.8	846.4	842.1	842.2	843.7
16°	841.3	843.1	841.3	837.1	837.1	838.9
16.5°	836.0	838.4	836.0	831.8	831.7	834.0
17°	830.6	833.4	830.6	826.2	826.3	828.9
17.5°	825.0	828.3	825.0	820.5	820.8	823.4
18°	819.2	823.0	819.2	814.7	815.1	817.7
18.5°	813.3	817.4	813.3	808.6	809.1	811.6
19°	807.3	811.6	807.3	802.3	803.0	805.5
19.5°	801.1	805.8	801.1	795.8	796.6	799.0
20°	794.6	799.3	794.6	789.3	790.0	792.4
20.5°	787.9	792.3	787.9	782.5	783.3	785.4
21°	780.7	785.2	780.7	775.4	776.3	778.3
21.5°	773.5	777.6	773.5	768.2	769.0	770.9
22°	765.8	769.6	765.8	760.9	761.6	763.1

TEST NUMBER: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	758.2	761.3	758.2	753.6	753.8	755.0
23°	750.3	753.0	750.3	746.0	746.0	746.7
23.5°	742.1	744.4	742.1	738.5	738.0	738.3
24°	733.9	735.5	733.9	730.9	730.0	729.5
24.5°	725.5	726.3	725.5	723.0	721.7	720.8
25°	716.9	717.1	716.9	714.9	713.3	711.7
25.5°	708.0	707.5	708.0	706.6	704.7	702.6
26°	699.0	697.8	699.0	698.2	696.0	693.3
26.5°	689.8	687.8	689.8	689.4	687.1	683.8
27°	680.4	677.8	680.4	680.4	677.9	674.3
27.5°	670.8	667.6	670.8	671.2	668.5	664.6
28°	660.8	657.0	660.8	661.6	658.8	654.7
28.5°	650.7	646.6	650.7	651.8	648.9	644.4
29°	640.3	635.9	640.3	641.7	638.8	634.1
29.5°	629.6	625.2	629.6	631.3	628.4	623.4
30°	618.6	613.8	618.6	620.5	617.6	612.6
30.5°	607.2	602.6	607.2	609.3	606.7	601.9
31°	595.6	590.9	595.6	597.9	595.6	590.7
31.5°	584.0	579.2	584.0	586.2	584.1	579.5
32°	571.9	567.5	571.9	574.0	572.3	568.1
32.5°	559.8	555.5	559.8	561.7	560.6	556.7
33°	547.4	543.5	547.4	549.0	548.2	545.0
33.5°	534.8	531.2	534.8	536.3	535.9	533.6
34°	522.1	519.1	522.1	523.0	523.2	521.4
34.5°	509.0	506.8	509.0	509.9	510.6	509.3
35°	496.0	494.4	496.0	496.2	497.3	497.0
35.5°	482.7	481.9	482.7	482.5	484.0	484.4
36°	469.3	469.3	469.3	468.5	470.6	471.3
36.5°	455.8	456.5	455.8	454.7	457.1	458.3
37°	442.4	443.3	442.4	440.4	443.3	445.0
37.5°	428.7	429.7	428.7	426.2	429.5	431.3
38°	414.9	415.3	414.9	412.3	415.5	417.3
38.5°	400.9	401.4	400.9	398.2	401.6	403.5
39°	386.9	387.5	386.9	384.3	386.9	389.4
39.5°	373.0	373.7	373.0	370.6	372.7	374.7
40°	358.8	359.9	358.8	356.7	358.8	360.1
40.5°	344.7	346.1	344.7	343.1	345.0	345.7
41°	330.6	331.8	330.6	329.2	331.1	331.1
41.5°	316.6	317.6	316.6	315.3	317.1	316.7
42°	302.7	303.3	302.7	301.7	303.0	302.3
42.5°	289.3	289.2	289.3	288.3	289.0	288.2
43°	275.9	275.0	275.9	275.1	275.0	274.3
43.5°	262.5	260.9	262.5	261.9	261.3	260.5
44°	249.4	247.3	249.4	248.8	247.5	247.0
44.5°	236.8	234.0	236.8	236.2	234.4	233.5

TEST NUMBER: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	223.8	221.0	223.8	223.7	221.4	220.4
45.5°	211.1	208.3	211.1	211.3	208.8	207.4
46°	198.8	195.8	198.8	198.9	196.4	194.6
46.5°	186.7	183.9	186.7	186.8	184.4	182.3
47°	174.9	172.3	174.9	174.9	172.6	170.3
47.5°	163.5	161.0	163.5	163.2	161.1	158.8
48°	152.2	150.1	152.2	151.8	149.9	147.6
48.5°	141.5	139.7	141.5	140.7	139.1	137.0
49°	131.0	129.6	131.0	130.0	128.7	127.0
49.5°	121.0	120.1	121.0	120.0	119.0	117.6
50°	111.6	111.2	111.6	110.4	109.6	108.5
50.5°	102.4	102.4	102.4	101.0	100.3	99.6
51°	93.3	93.8	93.3	91.7	91.3	91.0
51.5°	84.9	85.5	84.9	82.8	82.9	83.4
52°	76.7	77.4	76.7	74.6	75.2	75.8
52.5°	69.3	69.9	69.3	67.1	68.0	68.9
53°	62.5	63.1	62.5	60.2	61.2	62.4
53.5°	56.0	56.4	56.0	53.9	55.0	56.2
54°	50.0	50.3	50.0	48.2	49.2	50.3
54.5°	44.3	44.6	44.3	42.9	43.8	44.8
55°	39.1	39.3	39.1	38.0	38.8	39.6
55.5°	34.2	34.2	34.2	33.6	34.1	34.8
56°	29.9	29.9	29.9	29.3	30.0	30.5
56.5°	25.7	25.8	25.7	25.5	26.1	26.4
57°	21.8	22.0	21.8	21.7	22.4	22.6
57.5°	18.0	18.2	18.0	18.0	18.7	18.8
58°	14.4	14.3	14.4	14.5	15.1	15.0
58.5°	11.0	11.0	11.0	11.0	11.8	11.7
59°	7.6	7.6	7.6	7.5	8.5	8.2
59.5°	4.8	5.1	4.8	4.8	5.7	5.7
60°	2.9	3.2	2.9	3.2	3.8	3.9
60.5°	2.0	2.6	2.0	2.1	2.7	2.4
61°	1.6	2.1	1.6	1.7	2.2	2.0
61.5°	1.2	1.6	1.2	1.2	1.7	1.6
62°	0.9	1.1	0.9	1.0	1.3	1.3
62.5°	0.7	0.7	0.7	0.8	1.0	0.9
63°	0.6	0.6	0.6	0.7	0.8	0.8
63.5°	0.5	0.5	0.5	0.6	0.7	0.7
64°	0.5	0.4	0.5	0.5	0.6	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	0.5
65.5°	0.3	0.3	0.3	0.3	0.4	0.4
66°	0.3	0.3	0.3	0.3	0.3	0.4
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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.2	0.2	0.2	0.2	0.3
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	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.0	0.0	0.0	0.1	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	0.1
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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-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°	0.1	0.1	0.1	0.1	0.1	0.1
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°	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

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	0.3
142.5°	0.3	0.3	0.3	0.3	0.3	0.3
143°	0.3	0.3	0.3	0.3	0.3	0.3
143.5°	0.3	0.3	0.3	0.3	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	0.4	0.4
151°	0.4	0.3	0.4	0.4	0.4	0.4
151.5°	0.4	0.4	0.4	0.4	0.4	0.4
152°	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4
153°	0.4	0.4	0.4	0.4	0.4	0.4
153.5°	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
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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

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	0.5	0.5
162°	0.4	0.4	0.4	0.4	0.5	0.5
162.5°	0.4	0.4	0.4	0.5	0.5	0.5
163°	0.4	0.4	0.4	0.5	0.5	0.5
163.5°	0.4	0.4	0.4	0.5	0.5	0.5
164°	0.4	0.4	0.4	0.5	0.5	0.5
164.5°	0.4	0.4	0.4	0.5	0.5	0.5
165°	0.4	0.4	0.4	0.5	0.5	0.5
165.5°	0.4	0.4	0.4	0.5	0.5	0.5
166°	0.4	0.4	0.4	0.5	0.5	0.5
166.5°	0.4	0.4	0.4	0.5	0.5	0.5
167°	0.4	0.4	0.4	0.5	0.5	0.5
167.5°	0.4	0.4	0.4	0.5	0.5	0.5
168°	0.4	0.4	0.4	0.4	0.5	0.5
168.5°	0.4	0.4	0.4	0.4	0.4	0.5
169°	0.4	0.4	0.4	0.4	0.4	0.5
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	0.5	0.4	0.4	0.4	0.4



TEST NUMBER: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-4000K

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: P1590590

CATALOG NUMBER: HCDLS510CSD6TRC-HI-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	6.5	7.6	6.8	7.9	8.2	6.2	7.3	6.6	7.6	7.9
	3H	6.3	7.3	6.7	7.6	8.0	6.0	7.0	6.4	7.3	7.7
	4H	6.2	7.1	6.6	7.5	7.9	5.9	6.8	6.3	7.2	7.6
	6H	6.1	6.9	6.5	7.3	7.7	5.8	6.7	6.2	7.0	7.4
	8H	6.1	6.8	6.5	7.2	7.6	5.8	6.6	6.2	6.9	7.4
	12H	6.0	6.7	6.4	7.1	7.6	5.7	6.5	6.2	6.9	7.3
4H	2H	6.2	7.1	6.6	7.5	7.9	5.9	6.8	6.3	7.2	7.6
	3H	6.0	6.8	6.4	7.2	7.6	5.8	6.5	6.2	6.9	7.3
	4H	5.9	6.6	6.4	7.0	7.4	5.6	6.3	6.1	6.7	7.2
	6H	5.8	6.4	6.3	6.8	7.3	5.5	6.1	6.0	6.5	7.0
	8H	5.8	6.3	6.2	6.7	7.2	5.5	6.0	5.9	6.4	6.9
	12H	5.7	6.1	6.2	6.6	7.1	5.4	5.9	5.9	6.3	6.8
8H	4H	5.8	6.3	6.2	6.7	7.2	5.5	6.0	5.9	6.4	6.9
	6H	5.6	6.0	6.1	6.5	7.0	5.3	5.8	5.9	6.3	6.8
	8H	5.6	5.9	6.1	6.5	6.9	5.3	5.6	5.8	6.2	6.7
	12H	5.5	5.8	6.0	6.3	6.9	5.2	5.5	5.7	6.0	6.6
12H	4H	5.7	6.1	6.2	6.6	7.1	5.4	5.9	5.9	6.3	6.8
	6H	5.6	5.9	6.1	6.4	7.0	5.3	5.7	5.8	6.1	6.7
	8H	5.5	5.8	6.0	6.3	6.9	5.2	5.5	5.7	6.0	6.6



(END OF REPORT)