

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: P1590605

Luminaire Tested: HCDLS510CSD6TRH-HI-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590605
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-4000K
Description: 6" Selectable Round Trim+ Haze (Semi-specular) 1000 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

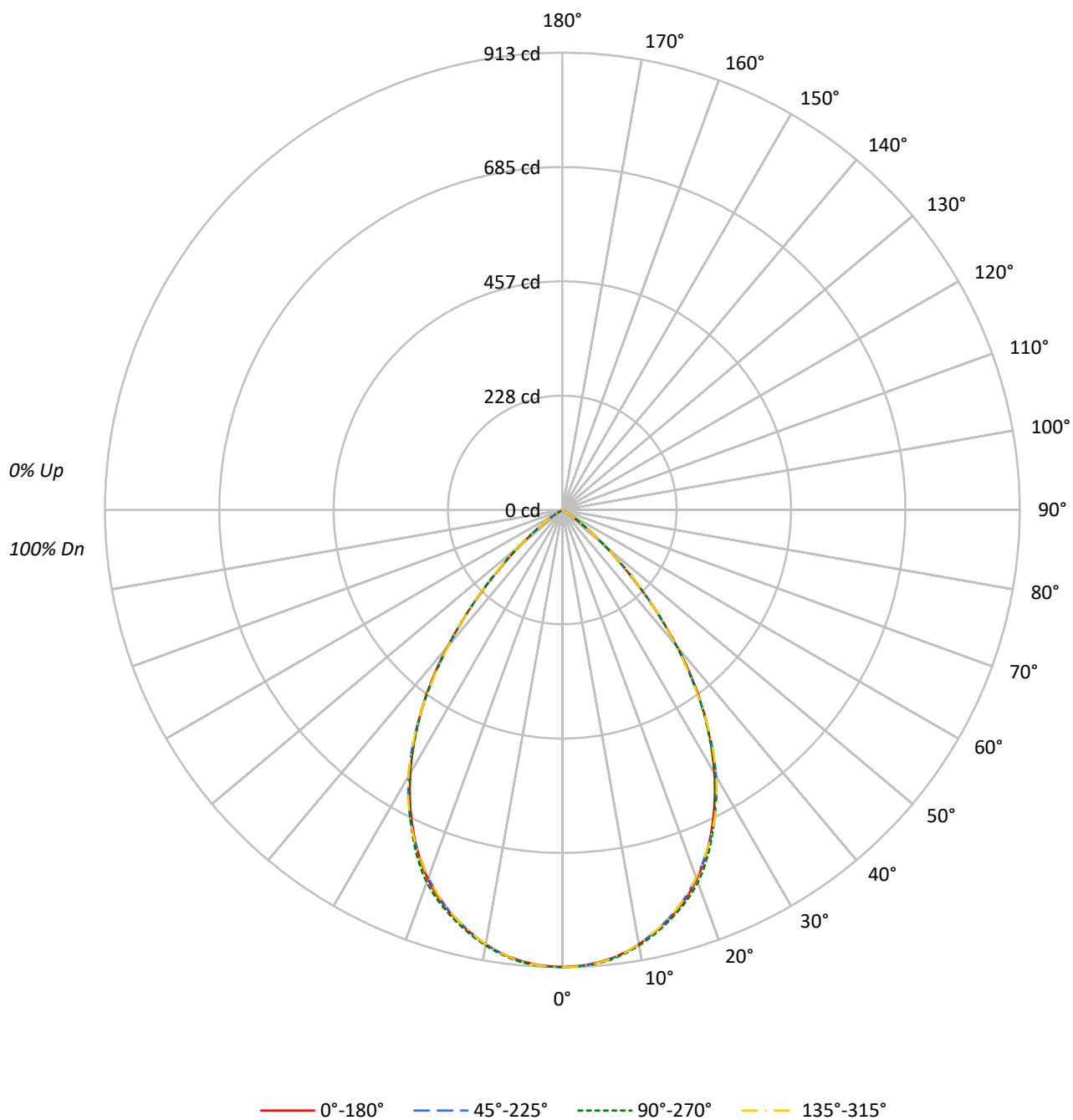
Lumens per Lamp: N/A
Luminaire Lumens: 1160.0 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		92
2	107	101	97	93	104	99	95	92	96	93	90		93	90	88		84
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		77
4	94	86	80	75	92	85	79	75	83	78	74		80	76	73		70
5	89	79	73	68	87	78	72	68	77	71	67		75	70	67		64
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		59
7	79	68	62	57	77	68	61	57	66	61	56		65	60	56		54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		50
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	50029	50029	50029	50029
5°	49785	49906	49785	49906
10°	49014	49136	49014	49136
15°	47679	47895	47679	47895
20°	45766	46169	45766	46169
25°	42625	42946	42625	42946
30°	38398	38474	38398	38474
35°	32933	32759	32933	32759
40°	25512	25505	25512	25505
45°	16916	16963	16916	16963
50°	9168	9390	9168	9390
55°	3747	3718	3747	3718
60°	417	351	417	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: 17180 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	7.4
10°-20°	236.1	20.4
20°-30°	323.7	27.9
30°-40°	303.6	26.2
40°-50°	170.8	14.7
50°-60°	38.9	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°	645.4	55.6
0°-40°	948.9	81.8
0°-60°	1158.6	99.9
0°-90°	1159.3	99.9
90°-120°	0.0	0.0
90°-150°	0.4	0.0
90°-180°	1.0	0.1
0°-180°	1160.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	913	913	913	913	913	
5°	905	907	905	907	905	86
15°	840	844	840	844	840	236
25°	705	710	705	710	705	322
35°	492	490	492	490	492	304
45°	218	219	218	219	218	170
55°	39	39	39	39	39	39
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6
0.5°	912.2	912.4	912.8	912.7	912.5	912.7	912.8	912.4	912.2	912.4	912.8
1°	912.0	912.1	912.6	912.6	912.3	912.6	912.6	912.1	912.0	912.1	912.6
1.5°	911.5	911.7	912.2	912.3	912.1	912.3	912.2	911.7	911.5	911.7	912.2
2°	911.0	911.2	911.8	911.9	911.8	911.9	911.8	911.2	911.0	911.2	911.8
2.5°	910.3	910.5	911.1	911.4	911.3	911.4	911.1	910.5	910.3	910.5	911.1
3°	909.5	909.7	910.3	910.6	910.8	910.6	910.3	909.7	909.5	909.7	910.3
3.5°	908.5	908.8	909.3	909.8	910.1	909.8	909.3	908.8	908.5	908.8	909.3
4°	907.3	907.7	908.2	908.7	909.3	908.7	908.2	907.7	907.3	907.7	908.2
4.5°	906.1	906.4	907.0	907.5	908.2	907.5	907.0	906.4	906.1	906.4	907.0
5°	904.7	905.0	905.6	906.1	906.9	906.1	905.6	905.0	904.7	905.0	905.6
5.5°	903.1	903.4	903.8	904.4	905.3	904.4	903.8	903.4	903.1	903.4	903.8
6°	901.3	901.7	902.0	902.5	903.6	902.5	902.0	901.7	901.3	901.7	902.0
6.5°	899.3	899.9	899.9	900.4	901.6	900.4	899.9	899.9	899.3	899.9	899.9
7°	897.3	897.7	897.6	898.1	899.4	898.1	897.6	897.7	897.3	897.7	897.6
7.5°	895.0	895.5	895.2	895.6	896.9	895.6	895.2	895.5	895.0	895.5	895.2
8°	892.4	893.0	892.7	893.0	894.4	893.0	892.7	893.0	892.4	893.0	892.7
8.5°	889.7	890.4	889.9	890.2	891.7	890.2	889.9	890.4	889.7	890.4	889.9
9°	886.8	887.5	886.9	887.3	888.8	887.3	886.9	887.5	886.8	887.5	886.9
9.5°	883.6	884.4	883.7	884.3	885.9	884.3	883.7	884.4	883.6	884.4	883.7
10°	880.5	881.2	880.3	881.1	882.7	881.1	880.3	881.2	880.5	881.2	880.3
10.5°	877.0	877.5	876.7	877.9	879.4	877.9	876.7	877.5	877.0	877.5	876.7
11°	873.3	873.8	873.0	874.5	876.0	874.5	873.0	873.8	873.3	873.8	873.0
11.5°	869.6	869.9	869.1	871.0	872.5	871.0	869.1	869.9	869.6	869.9	869.1
12°	865.7	865.9	865.1	867.3	868.7	867.3	865.1	865.9	865.7	865.9	865.1
12.5°	861.6	861.6	860.9	863.6	864.8	863.6	860.9	861.6	861.6	861.6	860.9
13°	857.6	857.4	856.7	859.7	861.0	859.7	856.7	857.4	857.6	857.4	856.7
13.5°	853.4	852.8	852.3	855.8	857.0	855.8	852.3	852.8	853.4	852.8	852.3
14°	849.1	848.4	847.9	851.5	852.7	851.5	847.9	848.4	849.1	848.4	847.9
14.5°	844.7	843.6	843.3	847.1	848.4	847.1	843.3	843.6	844.7	843.6	843.3
15°	840.1	838.8	838.6	842.6	843.9	842.6	838.6	838.8	840.1	838.8	838.6
15.5°	835.4	833.8	833.8	838.0	839.5	838.0	833.8	833.8	835.4	833.8	833.8
16°	830.6	828.9	828.8	833.0	834.7	833.0	828.8	828.9	830.6	828.9	828.8
16.5°	825.7	823.4	823.5	827.8	830.1	827.8	823.5	823.4	825.7	823.4	823.5
17°	820.7	818.1	818.0	822.4	825.2	822.4	818.0	818.1	820.7	818.1	818.0
17.5°	815.3	812.7	812.4	816.8	820.1	816.8	812.4	812.7	815.3	812.7	812.4
18°	809.6	807.0	806.6	811.0	814.8	811.0	806.6	807.0	809.6	807.0	806.6
18.5°	803.6	801.1	800.6	805.2	809.3	805.2	800.6	801.1	803.6	801.1	800.6
19°	797.5	795.0	794.4	799.3	803.6	799.3	794.4	795.0	797.5	795.0	794.4
19.5°	791.1	788.7	787.9	793.2	797.8	793.2	787.9	788.7	791.1	788.7	787.9
20°	784.5	782.2	781.4	786.7	791.4	786.7	781.4	782.2	784.5	782.2	781.4
20.5°	777.6	775.5	774.7	780.1	784.5	780.1	774.7	775.5	777.6	775.5	774.7
21°	770.6	768.6	767.8	773.0	777.4	773.0	767.8	768.6	770.6	768.6	767.8
21.5°	763.3	761.4	760.6	765.8	769.9	765.8	760.6	761.4	763.3	761.4	760.6
22°	755.5	754.0	753.3	758.2	762.0	758.2	753.3	754.0	755.5	754.0	753.3

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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°	747.5	746.3	746.1	750.7	753.8	750.7	746.1	746.3	747.5	746.3	746.1
23°	739.4	738.6	738.6	742.8	745.6	742.8	738.6	738.6	739.4	738.6	738.6
23.5°	731.0	730.7	731.1	734.8	737.0	734.8	731.1	730.7	731.0	730.7	731.1
24°	722.3	722.7	723.6	726.7	728.2	726.7	723.6	722.7	722.3	722.7	723.6
24.5°	713.6	714.6	715.8	718.3	719.1	718.3	715.8	714.6	713.6	714.6	715.8
25°	704.7	706.2	707.8	709.8	710.0	709.8	707.8	706.2	704.7	706.2	707.8
25.5°	695.6	697.8	699.6	701.0	700.5	701.0	699.6	697.8	695.6	697.8	699.6
26°	686.5	689.1	691.3	692.1	690.9	692.1	691.3	689.1	686.5	689.1	691.3
26.5°	677.1	680.3	682.6	683.0	681.0	683.0	682.6	680.3	677.1	680.3	682.6
27°	667.6	671.2	673.7	673.7	671.1	673.7	673.7	671.2	667.6	671.2	673.7
27.5°	658.0	661.9	664.5	664.2	661.0	664.2	664.5	661.9	658.0	661.9	664.5
28°	648.2	652.3	655.1	654.3	650.5	654.3	655.1	652.3	648.2	652.3	655.1
28.5°	638.0	642.5	645.3	644.3	640.2	644.3	645.3	642.5	638.0	642.5	645.3
29°	627.8	632.5	635.3	633.9	629.6	633.9	635.3	632.5	627.8	632.5	635.3
29.5°	617.2	622.1	625.1	623.4	619.0	623.4	625.1	622.1	617.2	622.1	625.1
30°	606.6	611.5	614.3	612.5	607.8	612.5	614.3	611.5	606.6	611.5	614.3
30.5°	595.9	600.7	603.3	601.2	596.6	601.2	603.3	600.7	595.9	600.7	603.3
31°	584.9	589.7	592.0	589.7	585.1	589.7	592.0	589.7	584.9	589.7	592.0
31.5°	573.8	578.3	580.4	578.2	573.5	578.2	580.4	578.3	573.8	578.3	580.4
32°	562.5	566.6	568.3	566.3	561.8	566.3	568.3	566.6	562.5	566.6	568.3
32.5°	551.2	555.0	556.1	554.3	550.0	554.3	556.1	555.0	551.2	555.0	556.1
33°	539.6	542.8	543.6	542.0	538.1	542.0	543.6	542.8	539.6	542.8	543.6
33.5°	528.3	530.6	531.0	529.5	526.0	529.5	531.0	530.6	528.3	530.6	531.0
34°	516.2	518.0	517.8	517.0	514.0	517.0	517.8	518.0	516.2	518.0	517.8
34.5°	504.3	505.5	504.8	504.0	501.8	504.0	504.8	505.5	504.3	505.5	504.8
35°	492.1	492.4	491.3	491.1	489.5	491.1	491.3	492.4	492.1	492.4	491.3
35.5°	479.6	479.3	477.7	477.9	477.2	477.9	477.7	479.3	479.6	479.3	477.7
36°	466.6	466.0	463.9	464.6	464.6	464.6	463.9	466.0	466.6	466.0	463.9
36.5°	453.8	452.6	450.2	451.3	452.0	451.3	450.2	452.6	453.8	452.6	450.2
37°	440.6	438.9	436.0	438.0	438.9	438.0	436.0	438.9	440.6	438.9	436.0
37.5°	427.0	425.2	422.0	424.5	425.4	424.5	422.0	425.2	427.0	425.2	422.0
38°	413.2	411.4	408.2	410.8	411.2	410.8	408.2	411.4	413.2	411.4	408.2
38.5°	399.5	397.6	394.3	397.0	397.4	397.0	394.3	397.6	399.5	397.6	394.3
39°	385.5	383.0	380.5	383.1	383.7	383.1	380.5	383.0	385.5	383.0	380.5
39.5°	371.0	369.0	366.9	369.3	370.0	369.3	366.9	369.0	371.0	369.0	366.9
40°	356.5	355.2	353.2	355.3	356.4	355.3	353.2	355.2	356.5	355.2	353.2
40.5°	342.3	341.5	339.7	341.3	342.6	341.3	339.7	341.5	342.3	341.5	339.7
41°	327.9	327.8	325.9	327.3	328.5	327.3	325.9	327.8	327.9	327.8	325.9
41.5°	313.6	313.9	312.2	313.5	314.4	313.5	312.2	313.9	313.6	313.9	312.2
42°	299.3	300.0	298.7	299.7	300.3	299.7	298.7	300.0	299.3	300.0	298.7
42.5°	285.4	286.1	285.5	286.5	286.3	286.5	285.5	286.1	285.4	286.1	285.5
43°	271.6	272.2	272.4	273.2	272.2	273.2	272.4	272.2	271.6	272.2	272.4
43.5°	257.9	258.7	259.3	259.9	258.3	259.9	259.3	258.7	257.9	258.7	259.3
44°	244.5	245.1	246.4	246.9	244.8	246.9	246.4	245.1	244.5	245.1	246.4
44.5°	231.2	232.1	233.8	234.4	231.7	234.4	233.8	232.1	231.2	232.1	233.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	218.2	219.2	221.5	221.6	218.8	221.6	221.5	219.2	218.2	219.2	221.5
45.5°	205.3	206.8	209.2	209.0	206.2	209.0	209.2	206.8	205.3	206.8	209.2
46°	192.7	194.5	196.9	196.8	193.9	196.8	196.9	194.5	192.7	194.5	196.9
46.5°	180.5	182.6	184.9	184.9	182.1	184.9	184.9	182.6	180.5	182.6	184.9
47°	168.7	170.9	173.1	173.2	170.6	173.2	173.1	170.9	168.7	170.9	173.1
47.5°	157.3	159.5	161.6	161.9	159.4	161.9	161.6	159.5	157.3	159.5	161.6
48°	146.1	148.4	150.3	150.7	148.7	150.7	150.3	148.4	146.1	148.4	150.3
48.5°	135.7	137.7	139.3	140.1	138.3	140.1	139.3	137.7	135.7	137.7	139.3
49°	125.7	127.4	128.7	129.7	128.3	129.7	128.7	127.4	125.7	127.4	128.7
49.5°	116.5	117.8	118.8	119.8	118.9	119.8	118.8	117.8	116.5	117.8	118.8
50°	107.5	108.5	109.3	110.5	110.1	110.5	109.3	108.5	107.5	108.5	109.3
50.5°	98.6	99.3	100.0	101.3	101.4	101.3	100.0	99.3	98.6	99.3	100.0
51°	90.1	90.4	90.8	92.4	92.9	92.4	90.8	90.4	90.1	90.4	90.8
51.5°	82.5	82.1	82.0	84.1	84.7	84.1	82.0	82.1	82.5	82.1	82.0
52°	75.1	74.5	73.9	76.0	76.6	76.0	73.9	74.5	75.1	74.5	73.9
52.5°	68.2	67.3	66.4	68.6	69.3	68.6	66.4	67.3	68.2	67.3	66.4
53°	61.8	60.6	59.6	61.8	62.5	61.8	59.6	60.6	61.8	60.6	59.6
53.5°	55.6	54.4	53.4	55.4	55.8	55.4	53.4	54.4	55.6	54.4	53.4
54°	49.8	48.7	47.7	49.5	49.8	49.5	47.7	48.7	49.8	48.7	47.7
54.5°	44.4	43.3	42.4	43.9	44.2	43.9	42.4	43.3	44.4	43.3	42.4
55°	39.2	38.4	37.6	38.7	38.9	38.7	37.6	38.4	39.2	38.4	37.6
55.5°	34.4	33.8	33.2	33.8	33.9	33.8	33.2	33.8	34.4	33.8	33.2
56°	30.2	29.7	29.1	29.6	29.6	29.6	29.1	29.7	30.2	29.7	29.1
56.5°	26.1	25.9	25.2	25.5	25.5	25.5	25.2	25.9	26.1	25.9	25.2
57°	22.4	22.2	21.5	21.6	21.7	21.6	21.5	22.2	22.4	22.2	21.5
57.5°	18.6	18.5	17.8	17.8	18.0	17.8	17.8	18.5	18.6	18.5	17.8
58°	14.9	14.9	14.4	14.3	14.2	14.3	14.4	14.9	14.9	14.9	14.4
58.5°	11.5	11.6	10.9	10.9	10.9	10.9	10.9	11.6	11.5	11.6	10.9
59°	8.1	8.4	7.5	7.5	7.5	7.5	7.5	8.4	8.1	8.4	7.5
59.5°	5.7	5.7	4.7	4.7	5.0	4.7	4.7	5.7	5.7	5.7	4.7
60°	3.8	3.7	3.2	2.9	3.2	2.9	3.2	3.7	3.8	3.7	3.2
60.5°	2.4	2.7	2.1	1.9	2.6	1.9	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	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.6
63.5°	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.6	0.6
64°	0.6	0.6	0.5	0.4	0.4	0.4	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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.0	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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.1	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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.3	0.3	0.3	0.3	0.2	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
151°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
151.5°	0.4	0.4	0.4	0.4	0.3	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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4
162.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
163°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
163.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
164°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
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	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
166.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
167°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4
167.5°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	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: P1590605
CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	912.6	912.6	912.6	912.6	912.6	912.6
0.5°	912.7	912.5	912.7	912.8	912.4	912.2
1°	912.6	912.3	912.6	912.6	912.1	912.0
1.5°	912.3	912.1	912.3	912.2	911.7	911.5
2°	911.9	911.8	911.9	911.8	911.2	911.0
2.5°	911.4	911.3	911.4	911.1	910.5	910.3
3°	910.6	910.8	910.6	910.3	909.7	909.5
3.5°	909.8	910.1	909.8	909.3	908.8	908.5
4°	908.7	909.3	908.7	908.2	907.7	907.3
4.5°	907.5	908.2	907.5	907.0	906.4	906.1
5°	906.1	906.9	906.1	905.6	905.0	904.7
5.5°	904.4	905.3	904.4	903.8	903.4	903.1
6°	902.5	903.6	902.5	902.0	901.7	901.3
6.5°	900.4	901.6	900.4	899.9	899.9	899.3
7°	898.1	899.4	898.1	897.6	897.7	897.3
7.5°	895.6	896.9	895.6	895.2	895.5	895.0
8°	893.0	894.4	893.0	892.7	893.0	892.4
8.5°	890.2	891.7	890.2	889.9	890.4	889.7
9°	887.3	888.8	887.3	886.9	887.5	886.8
9.5°	884.3	885.9	884.3	883.7	884.4	883.6
10°	881.1	882.7	881.1	880.3	881.2	880.5
10.5°	877.9	879.4	877.9	876.7	877.5	877.0
11°	874.5	876.0	874.5	873.0	873.8	873.3
11.5°	871.0	872.5	871.0	869.1	869.9	869.6
12°	867.3	868.7	867.3	865.1	865.9	865.7
12.5°	863.6	864.8	863.6	860.9	861.6	861.6
13°	859.7	861.0	859.7	856.7	857.4	857.6
13.5°	855.8	857.0	855.8	852.3	852.8	853.4
14°	851.5	852.7	851.5	847.9	848.4	849.1
14.5°	847.1	848.4	847.1	843.3	843.6	844.7
15°	842.6	843.9	842.6	838.6	838.8	840.1
15.5°	838.0	839.5	838.0	833.8	833.8	835.4
16°	833.0	834.7	833.0	828.8	828.9	830.6
16.5°	827.8	830.1	827.8	823.5	823.4	825.7
17°	822.4	825.2	822.4	818.0	818.1	820.7
17.5°	816.8	820.1	816.8	812.4	812.7	815.3
18°	811.0	814.8	811.0	806.6	807.0	809.6
18.5°	805.2	809.3	805.2	800.6	801.1	803.6
19°	799.3	803.6	799.3	794.4	795.0	797.5
19.5°	793.2	797.8	793.2	787.9	788.7	791.1
20°	786.7	791.4	786.7	781.4	782.2	784.5
20.5°	780.1	784.5	780.1	774.7	775.5	777.6
21°	773.0	777.4	773.0	767.8	768.6	770.6
21.5°	765.8	769.9	765.8	760.6	761.4	763.3
22°	758.2	762.0	758.2	753.3	754.0	755.5

TEST NUMBER: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	750.7	753.8	750.7	746.1	746.3	747.5
23°	742.8	745.6	742.8	738.6	738.6	739.4
23.5°	734.8	737.0	734.8	731.1	730.7	731.0
24°	726.7	728.2	726.7	723.6	722.7	722.3
24.5°	718.3	719.1	718.3	715.8	714.6	713.6
25°	709.8	710.0	709.8	707.8	706.2	704.7
25.5°	701.0	700.5	701.0	699.6	697.8	695.6
26°	692.1	690.9	692.1	691.3	689.1	686.5
26.5°	683.0	681.0	683.0	682.6	680.3	677.1
27°	673.7	671.1	673.7	673.7	671.2	667.6
27.5°	664.2	661.0	664.2	664.5	661.9	658.0
28°	654.3	650.5	654.3	655.1	652.3	648.2
28.5°	644.3	640.2	644.3	645.3	642.5	638.0
29°	633.9	629.6	633.9	635.3	632.5	627.8
29.5°	623.4	619.0	623.4	625.1	622.1	617.2
30°	612.5	607.8	612.5	614.3	611.5	606.6
30.5°	601.2	596.6	601.2	603.3	600.7	595.9
31°	589.7	585.1	589.7	592.0	589.7	584.9
31.5°	578.2	573.5	578.2	580.4	578.3	573.8
32°	566.3	561.8	566.3	568.3	566.6	562.5
32.5°	554.3	550.0	554.3	556.1	555.0	551.2
33°	542.0	538.1	542.0	543.6	542.8	539.6
33.5°	529.5	526.0	529.5	531.0	530.6	528.3
34°	517.0	514.0	517.0	517.8	518.0	516.2
34.5°	504.0	501.8	504.0	504.8	505.5	504.3
35°	491.1	489.5	491.1	491.3	492.4	492.1
35.5°	477.9	477.2	477.9	477.7	479.3	479.6
36°	464.6	464.6	464.6	463.9	466.0	466.6
36.5°	451.3	452.0	451.3	450.2	452.6	453.8
37°	438.0	438.9	438.0	436.0	438.9	440.6
37.5°	424.5	425.4	424.5	422.0	425.2	427.0
38°	410.8	411.2	410.8	408.2	411.4	413.2
38.5°	397.0	397.4	397.0	394.3	397.6	399.5
39°	383.1	383.7	383.1	380.5	383.0	385.5
39.5°	369.3	370.0	369.3	366.9	369.0	371.0
40°	355.3	356.4	355.3	353.2	355.2	356.5
40.5°	341.3	342.6	341.3	339.7	341.5	342.3
41°	327.3	328.5	327.3	325.9	327.8	327.9
41.5°	313.5	314.4	313.5	312.2	313.9	313.6
42°	299.7	300.3	299.7	298.7	300.0	299.3
42.5°	286.5	286.3	286.5	285.5	286.1	285.4
43°	273.2	272.2	273.2	272.4	272.2	271.6
43.5°	259.9	258.3	259.9	259.3	258.7	257.9
44°	246.9	244.8	246.9	246.4	245.1	244.5
44.5°	234.4	231.7	234.4	233.8	232.1	231.2

TEST NUMBER: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	221.6	218.8	221.6	221.5	219.2	218.2
45.5°	209.0	206.2	209.0	209.2	206.8	205.3
46°	196.8	193.9	196.8	196.9	194.5	192.7
46.5°	184.9	182.1	184.9	184.9	182.6	180.5
47°	173.2	170.6	173.2	173.1	170.9	168.7
47.5°	161.9	159.4	161.9	161.6	159.5	157.3
48°	150.7	148.7	150.7	150.3	148.4	146.1
48.5°	140.1	138.3	140.1	139.3	137.7	135.7
49°	129.7	128.3	129.7	128.7	127.4	125.7
49.5°	119.8	118.9	119.8	118.8	117.8	116.5
50°	110.5	110.1	110.5	109.3	108.5	107.5
50.5°	101.3	101.4	101.3	100.0	99.3	98.6
51°	92.4	92.9	92.4	90.8	90.4	90.1
51.5°	84.1	84.7	84.1	82.0	82.1	82.5
52°	76.0	76.6	76.0	73.9	74.5	75.1
52.5°	68.6	69.3	68.6	66.4	67.3	68.2
53°	61.8	62.5	61.8	59.6	60.6	61.8
53.5°	55.4	55.8	55.4	53.4	54.4	55.6
54°	49.5	49.8	49.5	47.7	48.7	49.8
54.5°	43.9	44.2	43.9	42.4	43.3	44.4
55°	38.7	38.9	38.7	37.6	38.4	39.2
55.5°	33.8	33.9	33.8	33.2	33.8	34.4
56°	29.6	29.6	29.6	29.1	29.7	30.2
56.5°	25.5	25.5	25.5	25.2	25.9	26.1
57°	21.6	21.7	21.6	21.5	22.2	22.4
57.5°	17.8	18.0	17.8	17.8	18.5	18.6
58°	14.3	14.2	14.3	14.4	14.9	14.9
58.5°	10.9	10.9	10.9	10.9	11.6	11.5
59°	7.5	7.5	7.5	7.5	8.4	8.1
59.5°	4.7	5.0	4.7	4.7	5.7	5.7
60°	2.9	3.2	2.9	3.2	3.7	3.8
60.5°	1.9	2.6	1.9	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	0.6	0.7	0.8
63.5°	0.5	0.5	0.5	0.6	0.6	0.7
64°	0.4	0.4	0.4	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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.0	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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.1	0.2	0.2	0.2	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.2
142.5°	0.3	0.2	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	0.3	0.4
151°	0.3	0.3	0.3	0.3	0.4	0.4
151.5°	0.4	0.3	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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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	0.4	0.4
162°	0.4	0.4	0.4	0.4	0.4	0.5
162.5°	0.4	0.4	0.4	0.4	0.5	0.5
163°	0.4	0.4	0.4	0.4	0.5	0.5
163.5°	0.4	0.4	0.4	0.4	0.5	0.5
164°	0.4	0.4	0.4	0.4	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	0.4	0.5	0.5
166.5°	0.4	0.4	0.4	0.4	0.5	0.5
167°	0.4	0.4	0.4	0.4	0.4	0.5
167.5°	0.4	0.4	0.4	0.4	0.4	0.5
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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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: P1590605

CATALOG NUMBER: HCDLS510CSD6TRH-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	6.4	7.5	6.8	7.9	8.2	6.2	7.3	6.5	7.6	7.9
	3H	6.3	7.2	6.6	7.6	7.9	6.0	7.0	6.4	7.3	7.7
	4H	6.2	7.1	6.6	7.4	7.8	5.9	6.8	6.3	7.2	7.5
	6H	6.1	6.9	6.5	7.3	7.7	5.8	6.6	6.2	7.0	7.4
	8H	6.0	6.8	6.5	7.2	7.6	5.7	6.5	6.2	6.9	7.3
	12H	6.0	6.7	6.4	7.1	7.5	5.7	6.4	6.1	6.8	7.2
4H	2H	6.2	7.1	6.6	7.4	7.8	5.9	6.8	6.3	7.2	7.5
	3H	6.0	6.7	6.4	7.1	7.5	5.7	6.4	6.1	6.9	7.3
	4H	5.9	6.5	6.3	6.9	7.4	5.6	6.3	6.0	6.7	7.1
	6H	5.8	6.3	6.2	6.8	7.3	5.5	6.1	6.0	6.5	7.0
	8H	5.7	6.2	6.2	6.7	7.2	5.4	6.0	5.9	6.4	6.9
	12H	5.6	6.1	6.1	6.6	7.1	5.4	5.8	5.9	6.3	6.8
8H	4H	5.7	6.2	6.2	6.7	7.2	5.4	6.0	5.9	6.4	6.9
	6H	5.6	6.0	6.1	6.5	7.0	5.3	5.7	5.8	6.2	6.7
	8H	5.5	5.9	6.0	6.4	6.9	5.2	5.6	5.8	6.1	6.6
	12H	5.5	5.8	6.0	6.3	6.9	5.2	5.5	5.7	6.0	6.6
12H	4H	5.6	6.1	6.1	6.6	7.1	5.4	5.8	5.9	6.3	6.8
	6H	5.5	5.9	6.1	6.4	6.9	5.2	5.6	5.8	6.1	6.6
	8H	5.5	5.8	6.0	6.3	6.9	5.2	5.5	5.7	6.0	6.6

(END OF REPORT)