

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: P1590613

Luminaire Tested: HCDLS510CSD6TRH-ME-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603928B003)
Test Lab: INNOVATION CENTER
Issue Date: 9/4/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HCDLS510CSD6TRH-ME-3000K
Description: 6" Selectable Round Trim+ Haze (Semi-specular) 700 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

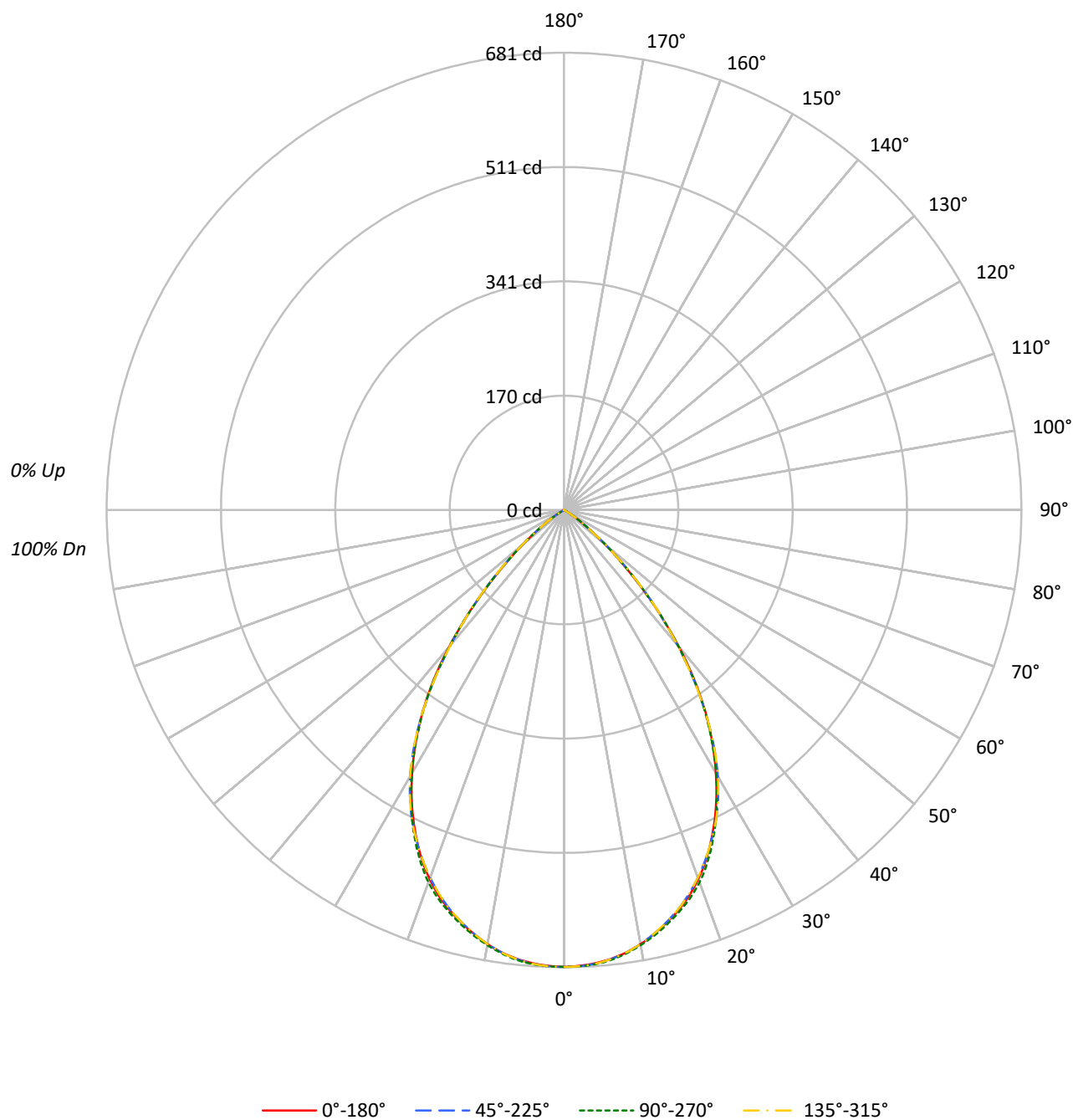
Lumens per Lamp: N/A
Luminaire Lumens: 865.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.92
Total Harmonic Distortion (THDi): =20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105	110	108	105	103		104	102	100		100	98	97		96	95	94
2	107	101	97	93	104	99	95	92		96	93	90		93	90	88		90	88	86
3	100	93	88	83	98	92	87	83		89	85	81		87	83	80		84	81	79
4	94	86	80	75	92	85	79	75		83	78	74		80	76	73		79	75	72
5	89	79	73	68	87	78	72	68		77	71	67		75	70	67		73	69	66
6	84	74	67	62	82	73	67	62		71	66	61		70	65	61		68	64	61
7	79	68	62	57	77	68	61	57		66	61	56		65	60	56		64	59	56
8	74	64	57	52	73	63	57	52		62	56	52		61	56	52		60	55	52
9	70	59	53	48	69	59	53	48		58	52	48		57	52	48		56	51	48
10	66	56	49	45	65	55	49	45		54	49	45		54	48	45		53	48	44

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	37305	37305	37305	37305
5°	37123	37217	37123	37217
10°	36550	36639	36550	36639
15°	35556	35715	35556	35715
20°	34128	34431	34128	34431
25°	31786	32028	31786	32028
30°	28631	28688	28631	28688
35°	24554	24427	24554	24427
40°	19029	19021	19029	19021
45°	12614	12645	12614	12645
50°	6831	7002	6831	7002
55°	2800	2772	2800	2772
60°	318	263	318	263
65°	39	26	39	26
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: 45°

Vertical Angle: 45°

Luminance: 12808 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	7.4
10°-20°	176.0	20.4
20°-30°	241.3	27.9
30°-40°	226.4	26.2
40°-50°	127.4	14.7
50°-60°	29.0	3.4
60°-70°	0.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	481.3	55.6
0°-40°	707.6	81.8
0°-60°	864.0	99.9
0°-90°	864.5	99.9
90°-120°	0.0	0.0
90°-150°	0.3	0.0
90°-180°	1.0	0.1
0°-180°	865.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	680	680	680	680	680	
5°	675	676	675	676	675	64
15°	626	629	626	629	626	176
25°	526	530	526	530	526	240
35°	367	365	367	365	367	226
45°	163	163	163	163	163	126
55°	29	29	29	29	29	29
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°	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5
0.5°	680.2	680.4	680.7	680.6	680.4	680.6	680.7	680.4	680.2	680.4	680.7
1°	680.1	680.1	680.5	680.5	680.3	680.5	680.5	680.1	680.1	680.1	680.5
1.5°	679.7	679.9	680.2	680.3	680.1	680.3	680.2	679.9	679.7	679.9	680.2
2°	679.3	679.5	679.9	680.0	679.9	680.0	679.9	679.5	679.3	679.5	679.9
2.5°	678.8	679.0	679.4	679.6	679.6	679.6	679.4	679.0	678.8	679.0	679.4
3°	678.2	678.4	678.8	679.0	679.2	679.0	678.8	678.4	678.2	678.4	678.8
3.5°	677.4	677.7	678.1	678.4	678.6	678.4	678.1	677.7	677.4	677.7	678.1
4°	676.6	676.9	677.2	677.6	678.0	677.6	677.2	676.9	676.6	676.9	677.2
4.5°	675.7	675.9	676.3	676.7	677.2	676.7	676.3	675.9	675.7	675.9	676.3
5°	674.6	674.8	675.3	675.7	676.3	675.7	675.3	674.8	674.6	674.8	675.3
5.5°	673.4	673.6	674.0	674.4	675.1	674.4	674.0	673.6	673.4	673.6	674.0
6°	672.1	672.4	672.6	673.0	673.8	673.0	672.6	672.4	672.1	672.4	672.6
6.5°	670.6	671.0	671.1	671.4	672.3	671.4	671.1	671.0	670.6	671.0	671.1
7°	669.1	669.4	669.3	669.7	670.6	669.7	669.3	669.4	669.1	669.4	669.3
7.5°	667.4	667.8	667.6	667.8	668.8	667.8	667.6	667.8	667.4	667.8	667.6
8°	665.5	665.9	665.7	665.9	666.9	665.9	665.7	665.9	665.5	665.9	665.7
8.5°	663.4	664.0	663.6	663.8	664.9	663.8	663.6	664.0	663.4	664.0	663.6
9°	661.3	661.8	661.3	661.6	662.8	661.6	661.3	661.8	661.3	661.8	661.3
9.5°	658.9	659.5	659.0	659.4	660.6	659.4	659.0	659.5	658.9	659.5	659.0
10°	656.6	657.1	656.4	657.0	658.2	657.0	656.4	657.1	656.6	657.1	656.4
10.5°	653.9	654.4	653.7	654.6	655.8	654.6	653.7	654.4	653.9	654.4	653.7
11°	651.2	651.6	651.0	652.1	653.3	652.1	651.0	651.6	651.2	651.6	651.0
11.5°	648.5	648.7	648.1	649.5	650.6	649.5	648.1	648.7	648.5	648.7	648.1
12°	645.6	645.7	645.1	646.8	647.8	646.8	645.1	645.7	645.6	645.7	645.1
12.5°	642.5	642.5	642.0	644.0	644.9	644.0	642.0	642.5	642.5	642.5	642.0
13°	639.5	639.3	638.8	641.1	642.1	641.1	638.8	639.3	639.5	639.3	638.8
13.5°	636.3	636.0	635.6	638.1	639.0	638.1	635.6	636.0	636.3	636.0	635.6
14°	633.1	632.6	632.3	635.0	635.8	635.0	632.3	632.6	633.1	632.6	632.3
14.5°	629.9	629.0	628.8	631.7	632.6	631.7	628.8	629.0	629.9	629.0	628.8
15°	626.5	625.5	625.3	628.3	629.3	628.3	625.3	625.5	626.5	625.5	625.3
15.5°	622.9	621.8	621.7	624.9	626.0	624.9	621.7	621.8	622.9	621.8	621.7
16°	619.3	618.1	618.0	621.1	622.5	621.1	618.0	618.1	619.3	618.1	618.0
16.5°	615.7	614.0	614.1	617.3	619.0	617.3	614.1	614.0	615.7	614.0	614.1
17°	612.0	610.0	610.0	613.3	615.3	613.3	610.0	610.0	612.0	610.0	610.0
17.5°	607.9	606.0	605.8	609.1	611.6	609.1	605.8	606.0	607.9	606.0	605.8
18°	603.7	601.8	601.5	604.8	607.6	604.8	601.5	601.8	603.7	601.8	601.5
18.5°	599.2	597.3	597.0	600.5	603.5	600.5	597.0	597.3	599.2	597.3	597.0
19°	594.7	592.9	592.4	596.1	599.2	596.1	592.4	592.9	594.7	592.9	592.4
19.5°	589.9	588.1	587.6	591.5	594.9	591.5	587.6	588.1	589.9	588.1	587.6
20°	585.0	583.3	582.7	586.7	590.2	586.7	582.7	583.3	585.0	583.3	582.7
20.5°	579.9	578.3	577.7	581.7	585.0	581.7	577.7	578.3	579.9	578.3	577.7
21°	574.6	573.1	572.5	576.4	579.7	576.4	572.5	573.1	574.6	573.1	572.5
21.5°	569.2	567.7	567.1	571.0	574.1	571.0	567.1	567.7	569.2	567.7	567.1
22°	563.4	562.3	561.7	565.4	568.2	565.4	561.7	562.3	563.4	562.3	561.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	557.4	556.5	556.4	559.8	562.1	559.8	556.4	556.5	557.4	556.5	556.4
23°	551.3	550.8	550.8	553.9	555.9	553.9	550.8	550.8	551.3	550.8	550.8
23.5°	545.1	544.9	545.2	547.9	549.6	547.9	545.2	544.9	545.1	544.9	545.2
24°	538.6	538.9	539.6	541.9	543.0	541.9	539.6	538.9	538.6	538.9	539.6
24.5°	532.1	532.8	533.8	535.7	536.3	535.7	533.8	532.8	532.1	532.8	533.8
25°	525.5	526.6	527.8	529.3	529.5	529.3	527.8	526.6	525.5	526.6	527.8
25.5°	518.7	520.3	521.7	522.8	522.4	522.8	521.7	520.3	518.7	520.3	521.7
26°	511.9	513.8	515.5	516.1	515.2	516.1	515.5	513.8	511.9	513.8	515.5
26.5°	504.9	507.3	509.0	509.3	507.8	509.3	509.0	507.3	504.9	507.3	509.0
27°	497.8	500.5	502.4	502.3	500.4	502.3	502.4	500.5	497.8	500.5	502.4
27.5°	490.6	493.5	495.5	495.3	492.9	495.3	495.5	493.5	490.6	493.5	495.5
28°	483.4	486.4	488.5	487.9	485.1	487.9	488.5	486.4	483.4	486.4	488.5
28.5°	475.7	479.1	481.2	480.4	477.4	480.4	481.2	479.1	475.7	479.1	481.2
29°	468.1	471.6	473.7	472.7	469.5	472.7	473.7	471.6	468.1	471.6	473.7
29.5°	460.3	463.9	466.1	464.9	461.6	464.9	466.1	463.9	460.3	463.9	466.1
30°	452.3	456.0	458.1	456.7	453.2	456.7	458.1	456.0	452.3	456.0	458.1
30.5°	444.4	448.0	449.9	448.3	444.9	448.3	449.9	448.0	444.4	448.0	449.9
31°	436.2	439.7	441.5	439.8	436.3	439.8	441.5	439.7	436.2	439.7	441.5
31.5°	427.9	431.3	432.8	431.1	427.6	431.1	432.8	431.3	427.9	431.3	432.8
32°	419.4	422.5	423.8	422.3	419.0	422.3	423.8	422.5	419.4	422.5	423.8
32.5°	411.0	413.9	414.7	413.3	410.1	413.3	414.7	413.9	411.0	413.9	414.7
33°	402.4	404.7	405.4	404.2	401.2	404.2	405.4	404.7	402.4	404.7	405.4
33.5°	394.0	395.7	396.0	394.8	392.2	394.8	396.0	395.7	394.0	395.7	396.0
34°	384.9	386.3	386.2	385.5	383.3	385.5	386.2	386.3	384.9	386.3	386.2
34.5°	376.0	377.0	376.4	375.8	374.2	375.8	376.4	377.0	376.0	377.0	376.4
35°	366.9	367.1	366.3	366.2	365.0	366.2	366.3	367.1	366.9	367.1	366.3
35.5°	357.7	357.4	356.2	356.3	355.8	356.3	356.2	357.4	357.7	357.4	356.2
36°	348.0	347.5	345.9	346.5	346.5	346.5	345.9	347.5	348.0	347.5	345.9
36.5°	338.4	337.5	335.7	336.5	337.1	336.5	335.7	337.5	338.4	337.5	335.7
37°	328.5	327.3	325.1	326.6	327.3	326.6	325.1	327.3	328.5	327.3	325.1
37.5°	318.4	317.1	314.7	316.5	317.2	316.5	314.7	317.1	318.4	317.1	314.7
38°	308.1	306.8	304.4	306.3	306.6	306.3	304.4	306.8	308.1	306.8	304.4
38.5°	297.9	296.5	294.0	296.0	296.3	296.0	294.0	296.5	297.9	296.5	294.0
39°	287.5	285.6	283.7	285.7	286.1	285.7	283.7	285.6	287.5	285.6	283.7
39.5°	276.6	275.2	273.6	275.4	275.9	275.4	273.6	275.2	276.6	275.2	273.6
40°	265.9	264.9	263.4	264.9	265.8	264.9	263.4	264.9	265.9	264.9	263.4
40.5°	255.2	254.7	253.3	254.5	255.5	254.5	253.3	254.7	255.2	254.7	253.3
41°	244.5	244.4	243.1	244.1	244.9	244.1	243.1	244.4	244.5	244.4	243.1
41.5°	233.8	234.1	232.8	233.7	234.5	233.7	232.8	234.1	233.8	234.1	232.8
42°	223.2	223.7	222.7	223.5	224.0	223.5	222.7	223.7	223.2	223.7	222.7
42.5°	212.8	213.4	212.9	213.6	213.5	213.6	212.9	213.4	212.8	213.4	212.9
43°	202.5	203.0	203.1	203.7	203.0	203.7	203.1	203.0	202.5	203.0	203.1
43.5°	192.3	192.9	193.4	193.8	192.6	193.8	193.4	192.9	192.3	192.9	193.4
44°	182.4	182.7	183.7	184.1	182.6	184.1	183.7	182.7	182.4	182.7	183.7
44.5°	172.4	173.1	174.4	174.8	172.8	174.8	174.4	173.1	172.4	173.1	174.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	162.7	163.5	165.2	165.2	163.1	165.2	165.2	163.5	162.7	163.5	165.2
45.5°	153.1	154.2	156.0	155.8	153.8	155.8	156.0	154.2	153.1	154.2	156.0
46°	143.7	145.0	146.9	146.7	144.6	146.7	146.9	145.0	143.7	145.0	146.9
46.5°	134.6	136.1	137.9	137.9	135.8	137.9	137.9	136.1	134.6	136.1	137.9
47°	125.8	127.4	129.1	129.2	127.2	129.2	129.1	127.4	125.8	127.4	129.1
47.5°	117.3	118.9	120.5	120.7	118.9	120.7	120.5	118.9	117.3	118.9	120.5
48°	109.0	110.7	112.1	112.4	110.8	112.4	112.1	110.7	109.0	110.7	112.1
48.5°	101.2	102.7	103.9	104.5	103.1	104.5	103.9	102.7	101.2	102.7	103.9
49°	93.8	95.0	96.0	96.7	95.7	96.7	96.0	95.0	93.8	95.0	96.0
49.5°	86.8	87.8	88.6	89.4	88.7	89.4	88.6	87.8	86.8	87.8	88.6
50°	80.1	80.9	81.5	82.4	82.1	82.4	81.5	80.9	80.1	80.9	81.5
50.5°	73.5	74.1	74.5	75.6	75.6	75.6	74.5	74.1	73.5	74.1	74.5
51°	67.2	67.4	67.7	68.9	69.3	68.9	67.7	67.4	67.2	67.4	67.7
51.5°	61.5	61.2	61.2	62.7	63.1	62.7	61.2	61.2	61.5	61.2	61.2
52°	56.0	55.5	55.1	56.7	57.1	56.7	55.1	55.5	56.0	55.5	55.1
52.5°	50.9	50.2	49.6	51.2	51.6	51.2	49.6	50.2	50.9	50.2	49.6
53°	46.1	45.2	44.4	46.1	46.6	46.1	44.4	45.2	46.1	45.2	44.4
53.5°	41.5	40.6	39.8	41.3	41.6	41.3	39.8	40.6	41.5	40.6	39.8
54°	37.1	36.3	35.6	36.9	37.1	36.9	35.6	36.3	37.1	36.3	35.6
54.5°	33.1	32.3	31.6	32.7	32.9	32.7	31.6	32.3	33.1	32.3	31.6
55°	29.3	28.6	28.0	28.9	29.0	28.9	28.0	28.6	29.3	28.6	28.0
55.5°	25.7	25.2	24.8	25.2	25.3	25.2	24.8	25.2	25.7	25.2	24.8
56°	22.5	22.1	21.7	22.1	22.0	22.1	21.7	22.1	22.5	22.1	21.7
56.5°	19.5	19.3	18.8	19.0	19.0	19.0	18.8	19.3	19.5	19.3	18.8
57°	16.7	16.5	16.0	16.1	16.2	16.1	16.0	16.5	16.7	16.5	16.0
57.5°	13.9	13.8	13.3	13.3	13.4	13.3	13.3	13.8	13.9	13.8	13.3
58°	11.1	11.1	10.7	10.6	10.6	10.6	10.7	11.1	11.1	11.1	10.7
58.5°	8.6	8.7	8.1	8.1	8.1	8.1	8.1	8.7	8.6	8.7	8.1
59°	6.1	6.2	5.6	5.6	5.6	5.6	5.6	6.2	6.1	6.2	5.6
59.5°	4.2	4.2	3.5	3.5	3.7	3.5	3.5	4.2	4.2	4.2	3.5
60°	2.9	2.8	2.4	2.1	2.4	2.1	2.4	2.8	2.9	2.8	2.4
60.5°	1.8	2.0	1.6	1.4	1.9	1.4	1.6	2.0	1.8	2.0	1.6
61°	1.5	1.6	1.2	1.2	1.5	1.2	1.2	1.6	1.5	1.6	1.2
61.5°	1.2	1.3	0.9	0.9	1.2	0.9	0.9	1.3	1.2	1.3	0.9
62°	0.9	1.0	0.7	0.7	0.8	0.7	0.7	1.0	0.9	1.0	0.7
62.5°	0.7	0.8	0.6	0.5	0.5	0.5	0.6	0.8	0.7	0.8	0.6
63°	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5
63.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
64°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
64.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
65°	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
65.5°	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
66°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
66.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
68.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
69°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
72.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
73°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138.5°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
150°	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590613
CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	680.5	680.5	680.5	680.5	680.5	680.5
0.5°	680.6	680.4	680.6	680.7	680.4	680.2
1°	680.5	680.3	680.5	680.5	680.1	680.1
1.5°	680.3	680.1	680.3	680.2	679.9	679.7
2°	680.0	679.9	680.0	679.9	679.5	679.3
2.5°	679.6	679.6	679.6	679.4	679.0	678.8
3°	679.0	679.2	679.0	678.8	678.4	678.2
3.5°	678.4	678.6	678.4	678.1	677.7	677.4
4°	677.6	678.0	677.6	677.2	676.9	676.6
4.5°	676.7	677.2	676.7	676.3	675.9	675.7
5°	675.7	676.3	675.7	675.3	674.8	674.6
5.5°	674.4	675.1	674.4	674.0	673.6	673.4
6°	673.0	673.8	673.0	672.6	672.4	672.1
6.5°	671.4	672.3	671.4	671.1	671.0	670.6
7°	669.7	670.6	669.7	669.3	669.4	669.1
7.5°	667.8	668.8	667.8	667.6	667.8	667.4
8°	665.9	666.9	665.9	665.7	665.9	665.5
8.5°	663.8	664.9	663.8	663.6	664.0	663.4
9°	661.6	662.8	661.6	661.3	661.8	661.3
9.5°	659.4	660.6	659.4	659.0	659.5	658.9
10°	657.0	658.2	657.0	656.4	657.1	656.6
10.5°	654.6	655.8	654.6	653.7	654.4	653.9
11°	652.1	653.3	652.1	651.0	651.6	651.2
11.5°	649.5	650.6	649.5	648.1	648.7	648.5
12°	646.8	647.8	646.8	645.1	645.7	645.6
12.5°	644.0	644.9	644.0	642.0	642.5	642.5
13°	641.1	642.1	641.1	638.8	639.3	639.5
13.5°	638.1	639.0	638.1	635.6	636.0	636.3
14°	635.0	635.8	635.0	632.3	632.6	633.1
14.5°	631.7	632.6	631.7	628.8	629.0	629.9
15°	628.3	629.3	628.3	625.3	625.5	626.5
15.5°	624.9	626.0	624.9	621.7	621.8	622.9
16°	621.1	622.5	621.1	618.0	618.1	619.3
16.5°	617.3	619.0	617.3	614.1	614.0	615.7
17°	613.3	615.3	613.3	610.0	610.0	612.0
17.5°	609.1	611.6	609.1	605.8	606.0	607.9
18°	604.8	607.6	604.8	601.5	601.8	603.7
18.5°	600.5	603.5	600.5	597.0	597.3	599.2
19°	596.1	599.2	596.1	592.4	592.9	594.7
19.5°	591.5	594.9	591.5	587.6	588.1	589.9
20°	586.7	590.2	586.7	582.7	583.3	585.0
20.5°	581.7	585.0	581.7	577.7	578.3	579.9
21°	576.4	579.7	576.4	572.5	573.1	574.6
21.5°	571.0	574.1	571.0	567.1	567.7	569.2
22°	565.4	568.2	565.4	561.7	562.3	563.4

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	559.8	562.1	559.8	556.4	556.5	557.4
23°	553.9	555.9	553.9	550.8	550.8	551.3
23.5°	547.9	549.6	547.9	545.2	544.9	545.1
24°	541.9	543.0	541.9	539.6	538.9	538.6
24.5°	535.7	536.3	535.7	533.8	532.8	532.1
25°	529.3	529.5	529.3	527.8	526.6	525.5
25.5°	522.8	522.4	522.8	521.7	520.3	518.7
26°	516.1	515.2	516.1	515.5	513.8	511.9
26.5°	509.3	507.8	509.3	509.0	507.3	504.9
27°	502.3	500.4	502.3	502.4	500.5	497.8
27.5°	495.3	492.9	495.3	495.5	493.5	490.6
28°	487.9	485.1	487.9	488.5	486.4	483.4
28.5°	480.4	477.4	480.4	481.2	479.1	475.7
29°	472.7	469.5	472.7	473.7	471.6	468.1
29.5°	464.9	461.6	464.9	466.1	463.9	460.3
30°	456.7	453.2	456.7	458.1	456.0	452.3
30.5°	448.3	444.9	448.3	449.9	448.0	444.4
31°	439.8	436.3	439.8	441.5	439.7	436.2
31.5°	431.1	427.6	431.1	432.8	431.3	427.9
32°	422.3	419.0	422.3	423.8	422.5	419.4
32.5°	413.3	410.1	413.3	414.7	413.9	411.0
33°	404.2	401.2	404.2	405.4	404.7	402.4
33.5°	394.8	392.2	394.8	396.0	395.7	394.0
34°	385.5	383.3	385.5	386.2	386.3	384.9
34.5°	375.8	374.2	375.8	376.4	377.0	376.0
35°	366.2	365.0	366.2	366.3	367.1	366.9
35.5°	356.3	355.8	356.3	356.2	357.4	357.7
36°	346.5	346.5	346.5	345.9	347.5	348.0
36.5°	336.5	337.1	336.5	335.7	337.5	338.4
37°	326.6	327.3	326.6	325.1	327.3	328.5
37.5°	316.5	317.2	316.5	314.7	317.1	318.4
38°	306.3	306.6	306.3	304.4	306.8	308.1
38.5°	296.0	296.3	296.0	294.0	296.5	297.9
39°	285.7	286.1	285.7	283.7	285.6	287.5
39.5°	275.4	275.9	275.4	273.6	275.2	276.6
40°	264.9	265.8	264.9	263.4	264.9	265.9
40.5°	254.5	255.5	254.5	253.3	254.7	255.2
41°	244.1	244.9	244.1	243.1	244.4	244.5
41.5°	233.7	234.5	233.7	232.8	234.1	233.8
42°	223.5	224.0	223.5	222.7	223.7	223.2
42.5°	213.6	213.5	213.6	212.9	213.4	212.8
43°	203.7	203.0	203.7	203.1	203.0	202.5
43.5°	193.8	192.6	193.8	193.4	192.9	192.3
44°	184.1	182.6	184.1	183.7	182.7	182.4
44.5°	174.8	172.8	174.8	174.4	173.1	172.4

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	165.2	163.1	165.2	165.2	163.5	162.7
45.5°	155.8	153.8	155.8	156.0	154.2	153.1
46°	146.7	144.6	146.7	146.9	145.0	143.7
46.5°	137.9	135.8	137.9	137.9	136.1	134.6
47°	129.2	127.2	129.2	129.1	127.4	125.8
47.5°	120.7	118.9	120.7	120.5	118.9	117.3
48°	112.4	110.8	112.4	112.1	110.7	109.0
48.5°	104.5	103.1	104.5	103.9	102.7	101.2
49°	96.7	95.7	96.7	96.0	95.0	93.8
49.5°	89.4	88.7	89.4	88.6	87.8	86.8
50°	82.4	82.1	82.4	81.5	80.9	80.1
50.5°	75.6	75.6	75.6	74.5	74.1	73.5
51°	68.9	69.3	68.9	67.7	67.4	67.2
51.5°	62.7	63.1	62.7	61.2	61.2	61.5
52°	56.7	57.1	56.7	55.1	55.5	56.0
52.5°	51.2	51.6	51.2	49.6	50.2	50.9
53°	46.1	46.6	46.1	44.4	45.2	46.1
53.5°	41.3	41.6	41.3	39.8	40.6	41.5
54°	36.9	37.1	36.9	35.6	36.3	37.1
54.5°	32.7	32.9	32.7	31.6	32.3	33.1
55°	28.9	29.0	28.9	28.0	28.6	29.3
55.5°	25.2	25.3	25.2	24.8	25.2	25.7
56°	22.1	22.0	22.1	21.7	22.1	22.5
56.5°	19.0	19.0	19.0	18.8	19.3	19.5
57°	16.1	16.2	16.1	16.0	16.5	16.7
57.5°	13.3	13.4	13.3	13.3	13.8	13.9
58°	10.6	10.6	10.6	10.7	11.1	11.1
58.5°	8.1	8.1	8.1	8.1	8.7	8.6
59°	5.6	5.6	5.6	5.6	6.2	6.1
59.5°	3.5	3.7	3.5	3.5	4.2	4.2
60°	2.1	2.4	2.1	2.4	2.8	2.9
60.5°	1.4	1.9	1.4	1.6	2.0	1.8
61°	1.2	1.5	1.2	1.2	1.6	1.5
61.5°	0.9	1.2	0.9	0.9	1.3	1.2
62°	0.7	0.8	0.7	0.7	1.0	0.9
62.5°	0.5	0.5	0.5	0.6	0.8	0.7
63°	0.4	0.4	0.4	0.5	0.6	0.6
63.5°	0.4	0.4	0.4	0.4	0.5	0.5
64°	0.3	0.3	0.3	0.4	0.4	0.4
64.5°	0.3	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.2	0.3	0.3	0.3	0.3
65.5°	0.2	0.2	0.2	0.3	0.3	0.3
66°	0.2	0.2	0.2	0.2	0.3	0.3
66.5°	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.1	0.1	0.1	0.2	0.2	0.2
68°	0.1	0.1	0.1	0.1	0.2	0.2
68.5°	0.1	0.1	0.1	0.1	0.1	0.2
69°	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.0	0.0	0.0	0.1	0.1	0.1
72°	0.0	0.0	0.0	0.0	0.1	0.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.1
73°	0.0	0.0	0.0	0.0	0.0	0.0
73.5°	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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°	0.0	0.0	0.0	0.0	0.0	0.0
124.5°	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0
125.5°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.1	0.1	0.1	0.1	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.1
136.5°	0.1	0.1	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1
138.5°	0.2	0.1	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.3	0.3
150°	0.3	0.2	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.3	0.3	0.3	0.3	0.3	0.3
154°	0.3	0.3	0.3	0.3	0.3	0.3
154.5°	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590613

CATALOG NUMBER: HCDLS510CSD6TRH-ME-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	5.4	6.5	5.8	6.8	7.2	5.1	6.2	5.5	6.6	6.9
	3H	5.2	6.2	5.6	6.5	6.9	5.0	5.9	5.3	6.3	6.6
	4H	5.1	6.1	5.6	6.4	6.8	4.9	5.8	5.3	6.1	6.5
	6H	5.0	5.9	5.5	6.3	6.6	4.8	5.6	5.2	6.0	6.4
	8H	5.0	5.8	5.4	6.2	6.6	4.7	5.5	5.2	5.9	6.3
	12H	4.9	5.7	5.4	6.1	6.5	4.7	5.4	5.1	5.8	6.2
4H	2H	5.1	6.1	5.6	6.4	6.8	4.9	5.8	5.3	6.1	6.5
	3H	5.0	5.7	5.4	6.1	6.5	4.7	5.4	5.1	5.8	6.2
	4H	4.9	5.5	5.3	5.9	6.4	4.6	5.2	5.0	5.7	6.1
	6H	4.8	5.3	5.2	5.8	6.2	4.5	5.0	5.0	5.5	6.0
	8H	4.7	5.2	5.2	5.7	6.1	4.4	4.9	4.9	5.4	5.9
	12H	4.6	5.1	5.1	5.6	6.0	4.4	4.8	4.8	5.3	5.8
8H	4H	4.7	5.2	5.2	5.7	6.1	4.4	4.9	4.9	5.4	5.9
	6H	4.6	5.0	5.1	5.5	6.0	4.3	4.7	4.8	5.2	5.7
	8H	4.5	4.9	5.0	5.4	5.9	4.2	4.6	4.7	5.1	5.6
	12H	4.4	4.8	5.0	5.3	5.8	4.2	4.5	4.7	5.0	5.6
12H	4H	4.6	5.1	5.1	5.6	6.0	4.4	4.8	4.8	5.3	5.8
	6H	4.5	4.9	5.0	5.3	5.9	4.2	4.6	4.8	5.1	5.6
	8H	4.4	4.8	5.0	5.3	5.8	4.2	4.5	4.7	5.0	5.6



(END OF REPORT)