

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: P1590619

Luminaire Tested: HCDLS510CSD6TRMW-HI-3500K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590619
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: HCDLS510CSD6TRMW-HI-3500K
Description: 6" Selectable Round Trim+Matte White (paintable) 1000 Lumens 3500K

Light Source:
Ballast/Driver: -

Summary

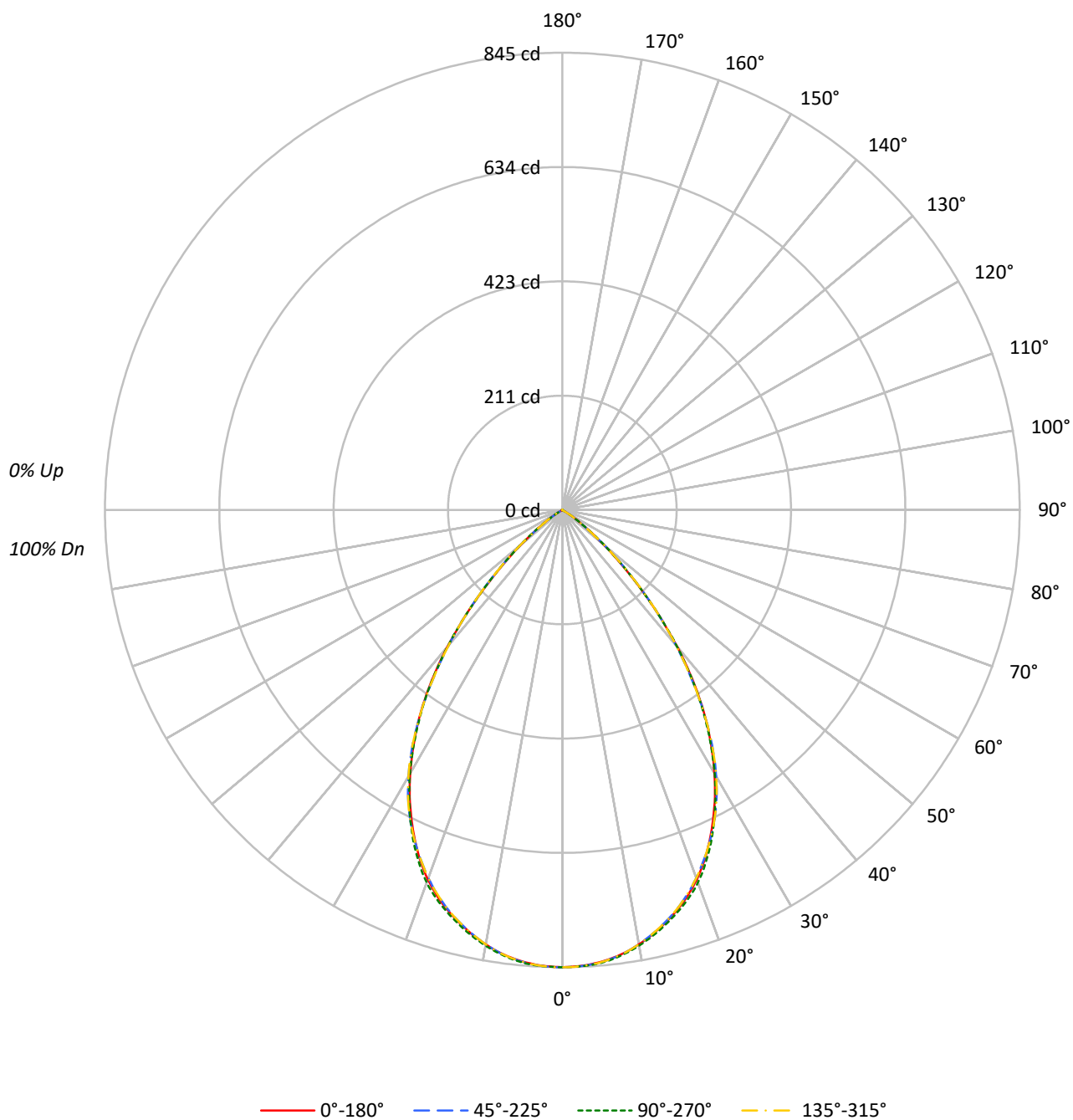
Lumens per Lamp: N/A
Luminaire Lumens: 1074.1 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	46329	46329	46329	46329
5°	46098	46214	46098	46214
10°	45384	45501	45384	45501
15°	44149	44353	44149	44353
20°	42383	42756	42383	42756
25°	39468	39770	39468	39770
30°	35556	35626	35556	35626
35°	30497	30336	30497	30336
40°	23630	23616	23630	23616
45°	15661	15707	15661	15707
50°	8486	8691	8486	8691
55°	3469	3441	3469	3441
60°	384	318	384	318
65°	52	39	52	39
70°	16	16	16	16
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 15909 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	7.4
10°-20°	218.6	20.4
20°-30°	299.7	27.9
30°-40°	281.1	26.2
40°-50°	158.1	14.7
50°-60°	36.0	3.4
60°-70°	0.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	597.6	55.6
0°-40°	878.7	81.8
0°-60°	1072.8	99.9
0°-90°	1073.5	99.9
90°-120°	0.0	0.0
90°-150°	0.3	0.0
90°-180°	1.0	0.1
0°-180°	1074.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	845	845	845	845	845	
5°	838	840	838	840	838	79
15°	778	782	778	782	778	219
25°	652	658	652	658	652	298
35°	456	453	456	453	456	281
45°	202	203	202	203	202	157
55°	36	36	36	36	36	36
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°	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1
0.5°	844.7	844.9	845.2	845.2	844.9	845.2	845.2	844.9	844.7	844.9	845.2
1°	844.5	844.6	845.0	845.0	844.8	845.0	845.0	844.6	844.5	844.6	845.0
1.5°	844.1	844.3	844.7	844.8	844.6	844.8	844.7	844.3	844.1	844.3	844.7
2°	843.6	843.8	844.3	844.4	844.3	844.4	844.3	843.8	843.6	843.8	844.3
2.5°	842.9	843.2	843.7	843.9	843.9	843.9	843.7	843.2	842.9	843.2	843.7
3°	842.2	842.4	842.9	843.2	843.4	843.2	842.9	842.4	842.2	842.4	842.9
3.5°	841.2	841.5	842.0	842.5	842.7	842.5	842.0	841.5	841.2	841.5	842.0
4°	840.2	840.5	841.0	841.5	842.0	841.5	841.0	840.5	840.2	840.5	841.0
4.5°	839.1	839.3	839.9	840.4	840.9	840.4	839.9	839.3	839.1	839.3	839.9
5°	837.7	838.0	838.5	839.1	839.8	839.1	838.5	838.0	837.7	838.0	838.5
5.5°	836.3	836.5	836.9	837.5	838.3	837.5	836.9	836.5	836.3	836.5	836.9
6°	834.6	835.0	835.2	835.7	836.7	835.7	835.2	835.0	834.6	835.0	835.2
6.5°	832.7	833.3	833.3	833.8	834.8	833.8	833.3	833.3	832.7	833.3	833.3
7°	830.9	831.3	831.2	831.6	832.8	831.6	831.2	831.3	830.9	831.3	831.2
7.5°	828.7	829.3	829.0	829.3	830.5	829.3	829.0	829.3	828.7	829.3	829.0
8°	826.4	826.9	826.6	826.9	828.2	826.9	826.6	826.9	826.4	826.9	826.6
8.5°	823.9	824.5	824.0	824.3	825.7	824.3	824.0	824.5	823.9	824.5	824.0
9°	821.2	821.8	821.3	821.6	823.0	821.6	821.3	821.8	821.2	821.8	821.3
9.5°	818.2	819.0	818.3	818.8	820.4	818.8	818.3	819.0	818.2	819.0	818.3
10°	815.3	816.0	815.1	815.9	817.4	815.9	815.1	816.0	815.3	816.0	815.1
10.5°	812.1	812.6	811.8	812.9	814.4	812.9	811.8	812.6	812.1	812.6	811.8
11°	808.7	809.2	808.4	809.7	811.2	809.7	808.4	809.2	808.7	809.2	808.4
11.5°	805.2	805.6	804.8	806.5	807.9	806.5	804.8	805.6	805.2	805.6	804.8
12°	801.7	801.8	801.0	803.2	804.4	803.2	801.0	801.8	801.7	801.8	801.0
12.5°	797.9	797.9	797.2	799.7	800.8	799.7	797.2	797.9	797.9	797.9	797.2
13°	794.1	793.9	793.3	796.1	797.3	796.1	793.3	793.9	794.1	793.9	793.3
13.5°	790.2	789.7	789.3	792.4	793.5	792.4	789.3	789.7	790.2	789.7	789.3
14°	786.2	785.6	785.1	788.5	789.6	788.5	785.1	785.6	786.2	785.6	785.1
14.5°	782.2	781.1	780.9	784.4	785.6	784.4	780.9	781.1	782.2	781.1	780.9
15°	777.9	776.7	776.5	780.2	781.5	780.2	776.5	776.7	777.9	776.7	776.5
15.5°	773.5	772.1	772.0	776.0	777.3	776.0	772.0	772.1	773.5	772.1	772.0
16°	769.1	767.5	767.5	771.3	773.0	771.3	767.5	767.5	769.1	767.5	767.5
16.5°	764.6	762.5	762.6	766.5	768.6	766.5	762.6	762.5	764.6	762.5	762.6
17°	760.0	757.5	757.5	761.6	764.1	761.6	757.5	757.5	760.0	757.5	757.5
17.5°	754.9	752.5	752.3	756.4	759.4	756.4	752.3	752.5	754.9	752.5	752.3
18°	749.7	747.3	746.9	751.0	754.5	751.0	746.9	747.3	749.7	747.3	746.9
18.5°	744.1	741.8	741.4	745.6	749.4	745.6	741.4	741.8	744.1	741.8	741.4
19°	738.5	736.2	735.6	740.2	744.1	740.2	735.6	736.2	738.5	736.2	735.6
19.5°	732.5	730.3	729.6	734.5	738.7	734.5	729.6	730.3	732.5	730.3	729.6
20°	726.5	724.3	723.6	728.5	732.9	728.5	723.6	724.3	726.5	724.3	723.6
20.5°	720.1	718.1	717.4	722.3	726.4	722.3	717.4	718.1	720.1	718.1	717.4
21°	713.5	711.7	710.9	715.8	719.9	715.8	710.9	711.7	713.5	711.7	710.9
21.5°	706.8	705.0	704.3	709.1	712.9	709.1	704.3	705.0	706.8	705.0	704.3
22°	699.6	698.2	697.6	702.1	705.6	702.1	697.6	698.2	699.6	698.2	697.6

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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°	692.2	691.1	690.9	695.1	698.0	695.1	690.9	691.1	692.2	691.1	690.9
23°	684.6	684.0	684.0	687.9	690.4	687.9	684.0	684.0	684.6	684.0	684.0
23.5°	676.9	676.6	677.0	680.4	682.5	680.4	677.0	676.6	676.9	676.6	677.0
24°	668.9	669.2	670.1	672.9	674.3	672.9	670.1	669.2	668.9	669.2	670.1
24.5°	660.8	661.7	662.8	665.2	665.9	665.2	662.8	661.7	660.8	661.7	662.8
25°	652.5	653.9	655.4	657.3	657.5	657.3	655.4	653.9	652.5	653.9	655.4
25.5°	644.2	646.1	647.9	649.2	648.7	649.2	647.9	646.1	644.2	646.1	647.9
26°	635.7	638.1	640.1	640.8	639.8	640.8	640.1	638.1	635.7	638.1	640.1
26.5°	627.0	629.9	632.0	632.4	630.6	632.4	632.0	629.9	627.0	629.9	632.0
27°	618.2	621.5	623.8	623.8	621.4	623.8	623.8	621.5	618.2	621.5	623.8
27.5°	609.3	612.9	615.4	615.0	612.1	615.0	615.4	612.9	609.3	612.9	615.4
28°	600.3	604.0	606.6	605.9	602.4	605.9	606.6	604.0	600.3	604.0	606.6
28.5°	590.8	595.0	597.6	596.6	592.8	596.6	597.6	595.0	590.8	595.0	597.6
29°	581.3	585.7	588.3	587.0	583.0	587.0	588.3	585.7	581.3	585.7	588.3
29.5°	571.6	576.1	578.8	577.3	573.2	577.3	578.8	576.1	571.6	576.1	578.8
30°	561.7	566.2	568.9	567.1	562.8	567.1	568.9	566.2	561.7	566.2	568.9
30.5°	551.8	556.3	558.6	556.7	552.5	556.7	558.6	556.3	551.8	556.3	558.6
31°	541.6	546.0	548.2	546.1	541.8	546.1	548.2	546.0	541.6	546.0	548.2
31.5°	531.3	535.5	537.4	535.4	531.0	535.4	537.4	535.5	531.3	535.5	537.4
32°	520.9	524.7	526.2	524.4	520.3	524.4	526.2	524.7	520.9	524.7	526.2
32.5°	510.4	514.0	515.0	513.2	509.3	513.2	515.0	514.0	510.4	514.0	515.0
33°	499.7	502.6	503.4	501.9	498.3	501.9	503.4	502.6	499.7	502.6	503.4
33.5°	489.2	491.3	491.7	490.3	487.0	490.3	491.7	491.3	489.2	491.3	491.7
34°	478.0	479.7	479.5	478.7	476.0	478.7	479.5	479.7	478.0	479.7	479.5
34.5°	467.0	468.1	467.5	466.7	464.7	466.7	467.5	468.1	467.0	468.1	467.5
35°	455.7	455.9	454.9	454.7	453.3	454.7	454.9	455.9	455.7	455.9	454.9
35.5°	444.1	443.8	442.4	442.5	441.9	442.5	442.4	443.8	444.1	443.8	442.4
36°	432.1	431.5	429.6	430.3	430.2	430.3	429.6	431.5	432.1	431.5	429.6
36.5°	420.2	419.1	416.9	417.9	418.6	417.9	416.9	419.1	420.2	419.1	416.9
37°	408.0	406.4	403.7	405.6	406.4	405.6	403.7	406.4	408.0	406.4	403.7
37.5°	395.4	393.8	390.8	393.1	393.9	393.1	390.8	393.8	395.4	393.8	390.8
38°	382.6	380.9	378.0	380.4	380.8	380.4	378.0	380.9	382.6	380.9	378.0
38.5°	370.0	368.2	365.1	367.6	368.0	367.6	365.1	368.2	370.0	368.2	365.1
39°	357.0	354.7	352.4	354.8	355.3	354.8	352.4	354.7	357.0	354.7	352.4
39.5°	343.5	341.7	339.7	341.9	342.6	341.9	339.7	341.7	343.5	341.7	339.7
40°	330.2	328.9	327.1	329.0	330.0	329.0	327.1	328.9	330.2	328.9	327.1
40.5°	317.0	316.3	314.5	316.0	317.3	316.0	314.5	316.3	317.0	316.3	314.5
41°	303.6	303.5	301.8	303.1	304.2	303.1	301.8	303.5	303.6	303.5	301.8
41.5°	290.4	290.7	289.1	290.3	291.1	290.3	289.1	290.7	290.4	290.7	289.1
42°	277.2	277.8	276.6	277.6	278.1	277.6	276.6	277.8	277.2	277.8	276.6
42.5°	264.2	265.0	264.3	265.3	265.1	265.3	264.3	265.0	264.2	265.0	264.3
43°	251.5	252.1	252.2	253.0	252.1	253.0	252.2	252.1	251.5	252.1	252.2
43.5°	238.9	239.6	240.1	240.7	239.2	240.7	240.1	239.6	238.9	239.6	240.1
44°	226.4	226.9	228.1	228.7	226.7	228.7	228.1	226.9	226.4	226.9	228.1
44.5°	214.1	214.9	216.5	217.1	214.6	217.1	216.5	214.9	214.1	214.9	216.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	202.0	203.0	205.1	205.2	202.6	205.2	205.1	203.0	202.0	203.0	205.1
45.5°	190.1	191.5	193.7	193.5	191.0	193.5	193.7	191.5	190.1	191.5	193.7
46°	178.4	180.1	182.4	182.2	179.6	182.2	182.4	180.1	178.4	180.1	182.4
46.5°	167.1	169.0	171.2	171.2	168.6	171.2	171.2	169.0	167.1	169.0	171.2
47°	156.2	158.2	160.3	160.4	157.9	160.4	160.3	158.2	156.2	158.2	160.3
47.5°	145.6	147.7	149.6	149.9	147.6	149.9	149.6	147.7	145.6	147.7	149.6
48°	135.3	137.4	139.2	139.5	137.6	139.5	139.2	137.4	135.3	137.4	139.2
48.5°	125.6	127.5	129.0	129.7	128.1	129.7	129.0	127.5	125.6	127.5	129.0
49°	116.4	118.0	119.2	120.1	118.8	120.1	119.2	118.0	116.4	118.0	119.2
49.5°	107.8	109.1	110.0	111.0	110.1	111.0	110.0	109.1	107.8	109.1	110.0
50°	99.5	100.5	101.2	102.3	101.9	102.3	101.2	100.5	99.5	100.5	101.2
50.5°	91.3	92.0	92.6	93.8	93.9	93.8	92.6	92.0	91.3	92.0	92.6
51°	83.4	83.7	84.1	85.6	86.0	85.6	84.1	83.7	83.4	83.7	84.1
51.5°	76.4	76.0	75.9	77.8	78.4	77.8	75.9	76.0	76.4	76.0	75.9
52°	69.5	69.0	68.4	70.4	70.9	70.4	68.4	69.0	69.5	69.0	68.4
52.5°	63.2	62.3	61.5	63.5	64.1	63.5	61.5	62.3	63.2	62.3	61.5
53°	57.2	56.1	55.2	57.3	57.8	57.3	55.2	56.1	57.2	56.1	55.2
53.5°	51.5	50.4	49.4	51.3	51.7	51.3	49.4	50.4	51.5	50.4	49.4
54°	46.1	45.1	44.2	45.8	46.1	45.8	44.2	45.1	46.1	45.1	44.2
54.5°	41.1	40.1	39.3	40.6	40.9	40.6	39.3	40.1	41.1	40.1	39.3
55°	36.3	35.5	34.8	35.8	36.0	35.8	34.8	35.5	36.3	35.5	34.8
55.5°	31.9	31.3	30.8	31.3	31.4	31.3	30.8	31.3	31.9	31.3	30.8
56°	28.0	27.5	26.9	27.4	27.4	27.4	26.9	27.5	28.0	27.5	26.9
56.5°	24.2	24.0	23.3	23.6	23.6	23.6	23.3	24.0	24.2	24.0	23.3
57°	20.7	20.5	19.9	20.0	20.1	20.0	19.9	20.5	20.7	20.5	19.9
57.5°	17.2	17.2	16.5	16.5	16.6	16.5	16.5	17.2	17.2	17.2	16.5
58°	13.8	13.8	13.3	13.2	13.1	13.2	13.3	13.8	13.8	13.8	13.3
58.5°	10.7	10.8	10.1	10.1	10.1	10.1	10.1	10.8	10.7	10.8	10.1
59°	7.5	7.7	6.9	7.0	6.9	7.0	6.9	7.7	7.5	7.7	6.9
59.5°	5.3	5.2	4.4	4.4	4.6	4.4	4.4	5.2	5.3	5.2	4.4
60°	3.5	3.5	2.9	2.7	2.9	2.7	2.9	3.5	3.5	3.5	2.9
60.5°	2.2	2.5	2.0	1.8	2.4	1.8	2.0	2.5	2.2	2.5	2.0
61°	1.9	2.0	1.5	1.4	1.9	1.4	1.5	2.0	1.9	2.0	1.5
61.5°	1.5	1.6	1.1	1.1	1.5	1.1	1.1	1.6	1.5	1.6	1.1
62°	1.2	1.2	0.9	0.8	1.0	0.8	0.9	1.2	1.2	1.2	0.9
62.5°	0.8	0.9	0.7	0.6	0.6	0.6	0.7	0.9	0.8	0.9	0.7
63°	0.7	0.7	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6
63.5°	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5
64°	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
65°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
65.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
66°	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
66.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
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: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
69.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
73°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
73.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

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: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
144.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
145°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
145.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
146°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
146.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
148°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
148.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
149°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
149.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	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°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
154°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
154.5°	0.4	0.4	0.4	0.4	0.3	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: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

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: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	845.1	845.1	845.1	845.1	845.1	845.1
0.5°	845.2	844.9	845.2	845.2	844.9	844.7
1°	845.0	844.8	845.0	845.0	844.6	844.5
1.5°	844.8	844.6	844.8	844.7	844.3	844.1
2°	844.4	844.3	844.4	844.3	843.8	843.6
2.5°	843.9	843.9	843.9	843.7	843.2	842.9
3°	843.2	843.4	843.2	842.9	842.4	842.2
3.5°	842.5	842.7	842.5	842.0	841.5	841.2
4°	841.5	842.0	841.5	841.0	840.5	840.2
4.5°	840.4	840.9	840.4	839.9	839.3	839.1
5°	839.1	839.8	839.1	838.5	838.0	837.7
5.5°	837.5	838.3	837.5	836.9	836.5	836.3
6°	835.7	836.7	835.7	835.2	835.0	834.6
6.5°	833.8	834.8	833.8	833.3	833.3	832.7
7°	831.6	832.8	831.6	831.2	831.3	830.9
7.5°	829.3	830.5	829.3	829.0	829.3	828.7
8°	826.9	828.2	826.9	826.6	826.9	826.4
8.5°	824.3	825.7	824.3	824.0	824.5	823.9
9°	821.6	823.0	821.6	821.3	821.8	821.2
9.5°	818.8	820.4	818.8	818.3	819.0	818.2
10°	815.9	817.4	815.9	815.1	816.0	815.3
10.5°	812.9	814.4	812.9	811.8	812.6	812.1
11°	809.7	811.2	809.7	808.4	809.2	808.7
11.5°	806.5	807.9	806.5	804.8	805.6	805.2
12°	803.2	804.4	803.2	801.0	801.8	801.7
12.5°	799.7	800.8	799.7	797.2	797.9	797.9
13°	796.1	797.3	796.1	793.3	793.9	794.1
13.5°	792.4	793.5	792.4	789.3	789.7	790.2
14°	788.5	789.6	788.5	785.1	785.6	786.2
14.5°	784.4	785.6	784.4	780.9	781.1	782.2
15°	780.2	781.5	780.2	776.5	776.7	777.9
15.5°	776.0	777.3	776.0	772.0	772.1	773.5
16°	771.3	773.0	771.3	767.5	767.5	769.1
16.5°	766.5	768.6	766.5	762.6	762.5	764.6
17°	761.6	764.1	761.6	757.5	757.5	760.0
17.5°	756.4	759.4	756.4	752.3	752.5	754.9
18°	751.0	754.5	751.0	746.9	747.3	749.7
18.5°	745.6	749.4	745.6	741.4	741.8	744.1
19°	740.2	744.1	740.2	735.6	736.2	738.5
19.5°	734.5	738.7	734.5	729.6	730.3	732.5
20°	728.5	732.9	728.5	723.6	724.3	726.5
20.5°	722.3	726.4	722.3	717.4	718.1	720.1
21°	715.8	719.9	715.8	710.9	711.7	713.5
21.5°	709.1	712.9	709.1	704.3	705.0	706.8
22°	702.1	705.6	702.1	697.6	698.2	699.6

TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	695.1	698.0	695.1	690.9	691.1	692.2
23°	687.9	690.4	687.9	684.0	684.0	684.6
23.5°	680.4	682.5	680.4	677.0	676.6	676.9
24°	672.9	674.3	672.9	670.1	669.2	668.9
24.5°	665.2	665.9	665.2	662.8	661.7	660.8
25°	657.3	657.5	657.3	655.4	653.9	652.5
25.5°	649.2	648.7	649.2	647.9	646.1	644.2
26°	640.8	639.8	640.8	640.1	638.1	635.7
26.5°	632.4	630.6	632.4	632.0	629.9	627.0
27°	623.8	621.4	623.8	623.8	621.5	618.2
27.5°	615.0	612.1	615.0	615.4	612.9	609.3
28°	605.9	602.4	605.9	606.6	604.0	600.3
28.5°	596.6	592.8	596.6	597.6	595.0	590.8
29°	587.0	583.0	587.0	588.3	585.7	581.3
29.5°	577.3	573.2	577.3	578.8	576.1	571.6
30°	567.1	562.8	567.1	568.9	566.2	561.7
30.5°	556.7	552.5	556.7	558.6	556.3	551.8
31°	546.1	541.8	546.1	548.2	546.0	541.6
31.5°	535.4	531.0	535.4	537.4	535.5	531.3
32°	524.4	520.3	524.4	526.2	524.7	520.9
32.5°	513.2	509.3	513.2	515.0	514.0	510.4
33°	501.9	498.3	501.9	503.4	502.6	499.7
33.5°	490.3	487.0	490.3	491.7	491.3	489.2
34°	478.7	476.0	478.7	479.5	479.7	478.0
34.5°	466.7	464.7	466.7	467.5	468.1	467.0
35°	454.7	453.3	454.7	454.9	455.9	455.7
35.5°	442.5	441.9	442.5	442.4	443.8	444.1
36°	430.3	430.2	430.3	429.6	431.5	432.1
36.5°	417.9	418.6	417.9	416.9	419.1	420.2
37°	405.6	406.4	405.6	403.7	406.4	408.0
37.5°	393.1	393.9	393.1	390.8	393.8	395.4
38°	380.4	380.8	380.4	378.0	380.9	382.6
38.5°	367.6	368.0	367.6	365.1	368.2	370.0
39°	354.8	355.3	354.8	352.4	354.7	357.0
39.5°	341.9	342.6	341.9	339.7	341.7	343.5
40°	329.0	330.0	329.0	327.1	328.9	330.2
40.5°	316.0	317.3	316.0	314.5	316.3	317.0
41°	303.1	304.2	303.1	301.8	303.5	303.6
41.5°	290.3	291.1	290.3	289.1	290.7	290.4
42°	277.6	278.1	277.6	276.6	277.8	277.2
42.5°	265.3	265.1	265.3	264.3	265.0	264.2
43°	253.0	252.1	253.0	252.2	252.1	251.5
43.5°	240.7	239.2	240.7	240.1	239.6	238.9
44°	228.7	226.7	228.7	228.1	226.9	226.4
44.5°	217.1	214.6	217.1	216.5	214.9	214.1

TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	205.2	202.6	205.2	205.1	203.0	202.0
45.5°	193.5	191.0	193.5	193.7	191.5	190.1
46°	182.2	179.6	182.2	182.4	180.1	178.4
46.5°	171.2	168.6	171.2	171.2	169.0	167.1
47°	160.4	157.9	160.4	160.3	158.2	156.2
47.5°	149.9	147.6	149.9	149.6	147.7	145.6
48°	139.5	137.6	139.5	139.2	137.4	135.3
48.5°	129.7	128.1	129.7	129.0	127.5	125.6
49°	120.1	118.8	120.1	119.2	118.0	116.4
49.5°	111.0	110.1	111.0	110.0	109.1	107.8
50°	102.3	101.9	102.3	101.2	100.5	99.5
50.5°	93.8	93.9	93.8	92.6	92.0	91.3
51°	85.6	86.0	85.6	84.1	83.7	83.4
51.5°	77.8	78.4	77.8	75.9	76.0	76.4
52°	70.4	70.9	70.4	68.4	69.0	69.5
52.5°	63.5	64.1	63.5	61.5	62.3	63.2
53°	57.3	57.8	57.3	55.2	56.1	57.2
53.5°	51.3	51.7	51.3	49.4	50.4	51.5
54°	45.8	46.1	45.8	44.2	45.1	46.1
54.5°	40.6	40.9	40.6	39.3	40.1	41.1
55°	35.8	36.0	35.8	34.8	35.5	36.3
55.5°	31.3	31.4	31.3	30.8	31.3	31.9
56°	27.4	27.4	27.4	26.9	27.5	28.0
56.5°	23.6	23.6	23.6	23.3	24.0	24.2
57°	20.0	20.1	20.0	19.9	20.5	20.7
57.5°	16.5	16.6	16.5	16.5	17.2	17.2
58°	13.2	13.1	13.2	13.3	13.8	13.8
58.5°	10.1	10.1	10.1	10.1	10.8	10.7
59°	7.0	6.9	7.0	6.9	7.7	7.5
59.5°	4.4	4.6	4.4	4.4	5.2	5.3
60°	2.7	2.9	2.7	2.9	3.5	3.5
60.5°	1.8	2.4	1.8	2.0	2.5	2.2
61°	1.4	1.9	1.4	1.5	2.0	1.9
61.5°	1.1	1.5	1.1	1.1	1.6	1.5
62°	0.8	1.0	0.8	0.9	1.2	1.2
62.5°	0.6	0.6	0.6	0.7	0.9	0.8
63°	0.5	0.5	0.5	0.6	0.7	0.7
63.5°	0.5	0.5	0.5	0.5	0.6	0.6
64°	0.4	0.4	0.4	0.5	0.5	0.5
64.5°	0.4	0.4	0.4	0.4	0.5	0.5
65°	0.3	0.3	0.3	0.4	0.4	0.4
65.5°	0.3	0.3	0.3	0.3	0.4	0.4
66°	0.3	0.2	0.3	0.3	0.3	0.3
66.5°	0.2	0.2	0.2	0.2	0.3	0.3
67°	0.2	0.2	0.2	0.2	0.3	0.3

TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

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: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.1	0.2	0.1	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.3	0.3
144.5°	0.3	0.3	0.3	0.3	0.3	0.3
145°	0.3	0.3	0.3	0.3	0.3	0.3
145.5°	0.3	0.3	0.3	0.3	0.3	0.3
146°	0.3	0.3	0.3	0.3	0.3	0.3
146.5°	0.3	0.3	0.3	0.3	0.3	0.3
147°	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.3	0.3	0.3	0.3
148°	0.3	0.3	0.3	0.3	0.3	0.3
148.5°	0.3	0.3	0.3	0.3	0.3	0.3
149°	0.3	0.3	0.3	0.3	0.3	0.3
149.5°	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	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	0.4	0.4
154°	0.3	0.3	0.3	0.4	0.4	0.4
154.5°	0.4	0.3	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: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

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: P1590619

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3500K

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	6.2	7.3	6.5	7.6	7.9	5.9	7.0	6.2	7.3	7.6
	3H	6.0	7.0	6.4	7.3	7.7	5.7	6.7	6.1	7.0	7.4
	4H	5.9	6.8	6.3	7.2	7.6	5.6	6.5	6.0	6.9	7.3
	6H	5.8	6.6	6.2	7.0	7.4	5.5	6.3	5.9	6.7	7.1
	8H	5.8	6.5	6.2	6.9	7.3	5.5	6.2	5.9	6.6	7.1
	12H	5.7	6.5	6.1	6.8	7.3	5.4	6.2	5.9	6.5	7.0
4H	2H	5.9	6.8	6.3	7.2	7.6	5.6	6.5	6.0	6.9	7.3
	3H	5.7	6.5	6.2	6.9	7.3	5.4	6.2	5.9	6.6	7.0
	4H	5.6	6.3	6.1	6.7	7.1	5.3	6.0	5.8	6.4	6.9
	6H	5.5	6.1	6.0	6.5	7.0	5.2	5.8	5.7	6.2	6.7
	8H	5.5	6.0	5.9	6.4	6.9	5.2	5.7	5.6	6.1	6.6
	12H	5.4	5.8	5.9	6.3	6.8	5.1	5.6	5.6	6.0	6.5
8H	4H	5.5	6.0	5.9	6.4	6.9	5.2	5.7	5.6	6.1	6.6
	6H	5.3	5.8	5.8	6.3	6.7	5.0	5.5	5.5	6.0	6.4
	8H	5.3	5.6	5.8	6.2	6.7	5.0	5.3	5.5	5.9	6.4
	12H	5.2	5.5	5.7	6.0	6.6	4.9	5.2	5.4	5.7	6.3
12H	4H	5.4	5.8	5.9	6.3	6.8	5.1	5.6	5.6	6.0	6.5
	6H	5.3	5.6	5.8	6.1	6.7	5.0	5.3	5.5	5.8	6.4
	8H	5.2	5.5	5.7	6.0	6.6	4.9	5.2	5.4	5.7	6.3

(END OF REPORT)