

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: P1590620

Luminaire Tested: HCDLS510CSD6TRMW-HI-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590620
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-4000K
Description: 6" Selectable Round Trim+Matte White (paintable) 1000 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

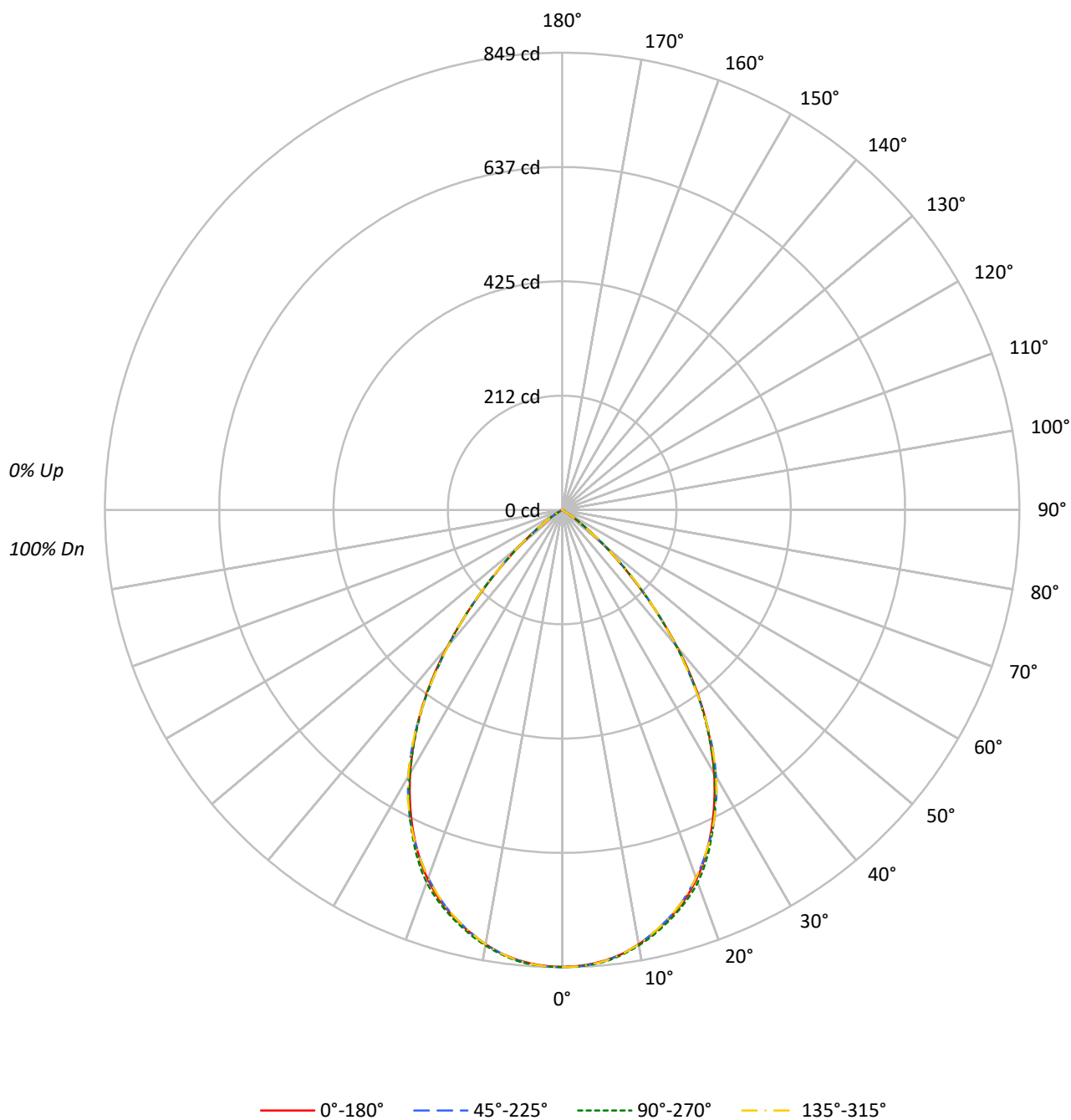
Lumens per Lamp: N/A
Luminaire Lumens: 1078.8 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	46526	46526	46526	46526
5°	46296	46412	46296	46412
10°	45579	45696	45579	45696
15°	44342	44546	44342	44546
20°	42564	42937	42564	42937
25°	39643	39940	39643	39940
30°	35708	35778	35708	35778
35°	30624	30463	30624	30463
40°	23730	23716	23730	23716
45°	15730	15777	15730	15777
50°	8520	8733	8520	8733
55°	3489	3460	3489	3460
60°	395	329	395	329
65°	52	39	52	39
70°	16	16	16	16
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 15978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	7.4
10°-20°	219.5	20.4
20°-30°	301.0	27.9
30°-40°	282.3	26.2
40°-50°	158.8	14.7
50°-60°	36.2	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°	600.2	55.6
0°-40°	882.5	81.8
0°-60°	1077.5	99.9
0°-90°	1078.2	99.9
90°-120°	0.0	0.0
90°-150°	0.3	0.0
90°-180°	1.0	0.1
0°-180°	1078.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	849	849	849	849	849	
5°	841	843	841	843	841	80
15°	781	785	781	785	781	219
25°	655	660	655	660	655	300
35°	458	455	458	455	458	282
45°	203	204	203	204	203	158
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	848.7	848.7	848.7	848.7	848.7	848.7	848.7	848.7	848.7	848.7	848.7
0.5°	848.3	848.5	848.9	848.8	848.6	848.8	848.9	848.5	848.3	848.5	848.9
1°	848.2	848.3	848.7	848.7	848.4	848.7	848.7	848.3	848.2	848.3	848.7
1.5°	847.7	847.9	848.4	848.4	848.2	848.4	848.4	847.9	847.7	847.9	848.4
2°	847.2	847.4	848.0	848.0	848.0	848.0	848.0	847.4	847.2	847.4	848.0
2.5°	846.6	846.8	847.3	847.6	847.5	847.6	847.3	846.8	846.6	846.8	847.3
3°	845.8	846.0	846.6	846.9	847.1	846.9	846.6	846.0	845.8	846.0	846.6
3.5°	844.9	845.1	845.7	846.1	846.4	846.1	845.7	845.1	844.9	845.1	845.7
4°	843.8	844.2	844.6	845.1	845.6	845.1	844.6	844.2	843.8	844.2	844.6
4.5°	842.7	842.9	843.5	844.0	844.6	844.0	843.5	842.9	842.7	842.9	843.5
5°	841.3	841.6	842.2	842.7	843.4	842.7	842.2	841.6	841.3	841.6	842.2
5.5°	839.9	840.1	840.6	841.1	842.0	841.1	840.6	840.1	839.9	840.1	840.6
6°	838.2	838.6	838.8	839.3	840.3	839.3	838.8	838.6	838.2	838.6	838.8
6.5°	836.4	836.9	836.9	837.4	838.5	837.4	836.9	836.9	836.4	836.9	836.9
7°	834.5	834.9	834.8	835.2	836.4	835.2	834.8	834.9	834.5	834.9	834.8
7.5°	832.3	832.8	832.6	832.9	834.1	832.9	832.6	832.8	832.3	832.8	832.6
8°	830.0	830.5	830.2	830.5	831.8	830.5	830.2	830.5	830.0	830.5	830.2
8.5°	827.4	828.1	827.6	827.9	829.3	827.9	827.6	828.1	827.4	828.1	827.6
9°	824.7	825.4	824.8	825.2	826.6	825.2	824.8	825.4	824.7	825.4	824.8
9.5°	821.8	822.5	821.9	822.4	823.9	822.4	821.9	822.5	821.8	822.5	821.9
10°	818.8	819.5	818.7	819.4	820.9	819.4	818.7	819.5	818.8	819.5	818.7
10.5°	815.6	816.1	815.3	816.5	817.9	816.5	815.3	816.1	815.6	816.1	815.3
11°	812.2	812.7	811.9	813.3	814.7	813.3	811.9	812.7	812.2	812.7	811.9
11.5°	808.7	809.1	808.2	810.0	811.4	810.0	808.2	809.1	808.7	809.1	808.2
12°	805.1	805.3	804.5	806.6	807.9	806.6	804.5	805.3	805.1	805.3	804.5
12.5°	801.3	801.3	800.7	803.1	804.3	803.1	800.7	801.3	801.3	801.3	800.7
13°	797.5	797.4	796.7	799.5	800.8	799.5	796.7	797.4	797.5	797.4	796.7
13.5°	793.6	793.1	792.7	795.9	797.0	795.9	792.7	793.1	793.6	793.1	792.7
14°	789.6	789.0	788.5	791.9	793.0	791.9	788.5	789.0	789.6	789.0	788.5
14.5°	785.6	784.5	784.2	787.8	789.0	787.8	784.2	784.5	785.6	784.5	784.2
15°	781.3	780.1	779.9	783.6	784.9	783.6	779.9	780.1	781.3	780.1	779.9
15.5°	776.9	775.5	775.4	779.3	780.7	779.3	775.4	775.5	776.9	775.5	775.4
16°	772.4	770.8	770.8	774.7	776.3	774.7	770.8	770.8	772.4	770.8	770.8
16.5°	767.9	765.8	765.9	769.8	772.0	769.8	765.9	765.8	767.9	765.8	765.9
17°	763.3	760.8	760.8	764.9	767.4	764.9	760.8	760.8	763.3	760.8	760.8
17.5°	758.2	755.8	755.5	759.6	762.7	759.6	755.5	755.8	758.2	755.8	755.5
18°	752.9	750.5	750.2	754.3	757.8	754.3	750.2	750.5	752.9	750.5	750.2
18.5°	747.4	745.0	744.6	748.9	752.6	748.9	744.6	745.0	747.4	745.0	744.6
19°	741.7	739.4	738.8	743.4	747.4	743.4	738.8	739.4	741.7	739.4	738.8
19.5°	735.7	733.5	732.8	737.7	741.9	737.7	732.8	733.5	735.7	733.5	732.8
20°	729.6	727.5	726.7	731.7	736.0	731.7	726.7	727.5	729.6	727.5	726.7
20.5°	723.2	721.2	720.5	725.5	729.6	725.5	720.5	721.2	723.2	721.2	720.5
21°	716.6	714.8	714.0	718.9	723.0	718.9	714.0	714.8	716.6	714.8	714.0
21.5°	709.8	708.1	707.3	712.2	716.0	712.2	707.3	708.1	709.8	708.1	707.3
22°	702.6	701.2	700.6	705.2	708.7	705.2	700.6	701.2	702.6	701.2	700.6

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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°	695.2	694.1	693.9	698.1	701.0	698.1	693.9	694.1	695.2	694.1	693.9
23°	687.6	686.9	686.9	690.8	693.4	690.8	686.9	686.9	687.6	686.9	686.9
23.5°	679.8	679.5	680.0	683.3	685.4	683.3	680.0	679.5	679.8	679.5	680.0
24°	671.8	672.1	673.0	675.8	677.2	675.8	673.0	672.1	671.8	672.1	673.0
24.5°	663.7	664.5	665.7	668.1	668.8	668.1	665.7	664.5	663.7	664.5	665.7
25°	655.4	656.8	658.2	660.1	660.3	660.1	658.2	656.8	655.4	656.8	658.2
25.5°	647.0	648.9	650.7	652.0	651.5	652.0	650.7	648.9	647.0	648.9	650.7
26°	638.4	640.9	642.9	643.6	642.6	643.6	642.9	640.9	638.4	640.9	642.9
26.5°	629.7	632.7	634.8	635.2	633.3	635.2	634.8	632.7	629.7	632.7	634.8
27°	620.8	624.2	626.5	626.5	624.1	626.5	626.5	624.2	620.8	624.2	626.5
27.5°	611.9	615.5	618.0	617.7	614.7	617.7	618.0	615.5	611.9	615.5	618.0
28°	602.9	606.6	609.2	608.5	605.0	608.5	609.2	606.6	602.9	606.6	609.2
28.5°	593.3	597.5	600.2	599.2	595.4	599.2	600.2	597.5	593.3	597.5	600.2
29°	583.8	588.2	590.8	589.6	585.6	589.6	590.8	588.2	583.8	588.2	590.8
29.5°	574.0	578.6	581.3	579.8	575.7	579.8	581.3	578.6	574.0	578.6	581.3
30°	564.1	568.7	571.3	569.6	565.2	569.6	571.3	568.7	564.1	568.7	571.3
30.5°	554.2	558.7	561.1	559.1	554.9	559.1	561.1	558.7	554.2	558.7	561.1
31°	544.0	548.4	550.6	548.5	544.1	548.5	550.6	548.4	544.0	548.4	550.6
31.5°	533.6	537.9	539.8	537.7	533.3	537.7	539.8	537.9	533.6	537.9	539.8
32°	523.1	526.9	528.5	526.6	522.5	526.6	528.5	526.9	523.1	526.9	528.5
32.5°	512.6	516.2	517.2	515.5	511.5	515.5	517.2	516.2	512.6	516.2	517.2
33°	501.8	504.8	505.5	504.1	500.4	504.1	505.5	504.8	501.8	504.8	505.5
33.5°	491.4	493.5	493.8	492.4	489.2	492.4	493.8	493.5	491.4	493.5	493.8
34°	480.1	481.8	481.6	480.8	478.0	480.8	481.6	481.8	480.1	481.8	481.6
34.5°	469.0	470.1	469.5	468.7	466.7	468.7	469.5	470.1	469.0	470.1	469.5
35°	457.6	457.9	456.9	456.7	455.2	456.7	456.9	457.9	457.6	457.9	456.9
35.5°	446.1	445.7	444.3	444.4	443.8	444.4	444.3	445.7	446.1	445.7	444.3
36°	434.0	433.4	431.4	432.1	432.1	432.1	431.4	433.4	434.0	433.4	431.4
36.5°	422.0	420.9	418.7	419.7	420.4	419.7	418.7	420.9	422.0	420.9	418.7
37°	409.7	408.2	405.5	407.3	408.2	407.3	405.5	408.2	409.7	408.2	405.5
37.5°	397.1	395.5	392.5	394.8	395.7	394.8	392.5	395.5	397.1	395.5	392.5
38°	384.3	382.6	379.6	382.1	382.4	382.1	379.6	382.6	384.3	382.6	379.6
38.5°	371.6	369.8	366.7	369.2	369.6	369.2	366.7	369.8	371.6	369.8	366.7
39°	358.5	356.2	353.9	356.3	356.8	356.3	353.9	356.2	358.5	356.2	353.9
39.5°	345.0	343.2	341.2	343.4	344.1	343.4	341.2	343.2	345.0	343.2	341.2
40°	331.6	330.4	328.5	330.4	331.4	330.4	328.5	330.4	331.6	330.4	328.5
40.5°	318.3	317.6	315.9	317.4	318.7	317.4	315.9	317.6	318.3	317.6	315.9
41°	304.9	304.9	303.1	304.4	305.5	304.4	303.1	304.9	304.9	304.9	303.1
41.5°	291.6	292.0	290.3	291.5	292.4	291.5	290.3	292.0	291.6	292.0	290.3
42°	278.4	279.0	277.8	278.8	279.3	278.8	277.8	279.0	278.4	279.0	277.8
42.5°	265.4	266.1	265.5	266.4	266.3	266.4	265.5	266.1	265.4	266.1	265.5
43°	252.6	253.2	253.3	254.1	253.2	254.1	253.3	253.2	252.6	253.2	253.3
43.5°	239.9	240.6	241.2	241.7	240.2	241.7	241.2	240.6	239.9	240.6	241.2
44°	227.4	227.9	229.1	229.7	227.7	229.7	229.1	227.9	227.4	227.9	229.1
44.5°	215.0	215.8	217.4	218.0	215.5	218.0	217.4	215.8	215.0	215.8	217.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	202.9	203.9	206.0	206.1	203.5	206.1	206.0	203.9	202.9	203.9	206.0
45.5°	190.9	192.3	194.6	194.4	191.8	194.4	194.6	192.3	190.9	192.3	194.6
46°	179.2	180.9	183.2	183.0	180.3	183.0	183.2	180.9	179.2	180.9	183.2
46.5°	167.9	169.8	172.0	171.9	169.3	171.9	172.0	169.8	167.9	169.8	172.0
47°	156.8	158.9	161.0	161.1	158.6	161.1	161.0	158.9	156.8	158.9	161.0
47.5°	146.2	148.3	150.3	150.6	148.3	150.6	150.3	148.3	146.2	148.3	150.3
48°	135.9	138.0	139.8	140.1	138.2	140.1	139.8	138.0	135.9	138.0	139.8
48.5°	126.2	128.1	129.5	130.3	128.6	130.3	129.5	128.1	126.2	128.1	129.5
49°	116.9	118.5	119.7	120.6	119.3	120.6	119.7	118.5	116.9	118.5	119.7
49.5°	108.3	109.5	110.5	111.4	110.6	111.4	110.5	109.5	108.3	109.5	110.5
50°	99.9	100.9	101.6	102.8	102.4	102.8	101.6	100.9	99.9	100.9	101.6
50.5°	91.7	92.4	93.0	94.3	94.3	94.3	93.0	92.4	91.7	92.4	93.0
51°	83.8	84.1	84.4	85.9	86.4	85.9	84.4	84.1	83.8	84.1	84.4
51.5°	76.8	76.3	76.3	78.2	78.7	78.2	76.3	76.3	76.8	76.3	76.3
52°	69.8	69.3	68.7	70.7	71.3	70.7	68.7	69.3	69.8	69.3	68.7
52.5°	63.5	62.6	61.8	63.8	64.4	63.8	61.8	62.6	63.5	62.6	61.8
53°	57.4	56.4	55.4	57.5	58.1	57.5	55.4	56.4	57.4	56.4	55.4
53.5°	51.8	50.6	49.7	51.6	51.9	51.6	49.7	50.6	51.8	50.6	49.7
54°	46.3	45.3	44.4	46.0	46.3	46.0	44.4	45.3	46.3	45.3	44.4
54.5°	41.3	40.3	39.5	40.8	41.1	40.8	39.5	40.3	41.3	40.3	39.5
55°	36.5	35.7	34.9	36.0	36.2	36.0	34.9	35.7	36.5	35.7	34.9
55.5°	32.0	31.4	30.9	31.5	31.5	31.5	30.9	31.4	32.0	31.4	30.9
56°	28.1	27.6	27.0	27.5	27.5	27.5	27.0	27.6	28.1	27.6	27.0
56.5°	24.3	24.1	23.4	23.7	23.7	23.7	23.4	24.1	24.3	24.1	23.4
57°	20.8	20.6	20.0	20.1	20.2	20.1	20.0	20.6	20.8	20.6	20.0
57.5°	17.3	17.2	16.6	16.6	16.7	16.6	16.6	17.2	17.3	17.2	16.6
58°	13.8	13.9	13.4	13.3	13.2	13.3	13.4	13.9	13.8	13.9	13.4
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°	7.6	7.8	7.0	7.0	7.0	7.0	7.0	7.8	7.6	7.8	7.0
59.5°	5.3	5.3	4.4	4.4	4.7	4.4	4.4	5.3	5.3	5.3	4.4
60°	3.6	3.5	2.9	2.7	3.0	2.7	2.9	3.5	3.6	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°	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5
64.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
65°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
65.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
66°	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
66.5°	0.3	0.3	0.2	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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-4000K

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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.0	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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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	0.1	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	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	0.3	0.2	0.3	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°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	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	0.4	0.3	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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.4	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: P1590620
CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	848.7	848.7	848.7	848.7	848.7	848.7
0.5°	848.8	848.6	848.8	848.9	848.5	848.3
1°	848.7	848.4	848.7	848.7	848.3	848.2
1.5°	848.4	848.2	848.4	848.4	847.9	847.7
2°	848.0	848.0	848.0	848.0	847.4	847.2
2.5°	847.6	847.5	847.6	847.3	846.8	846.6
3°	846.9	847.1	846.9	846.6	846.0	845.8
3.5°	846.1	846.4	846.1	845.7	845.1	844.9
4°	845.1	845.6	845.1	844.6	844.2	843.8
4.5°	844.0	844.6	844.0	843.5	842.9	842.7
5°	842.7	843.4	842.7	842.2	841.6	841.3
5.5°	841.1	842.0	841.1	840.6	840.1	839.9
6°	839.3	840.3	839.3	838.8	838.6	838.2
6.5°	837.4	838.5	837.4	836.9	836.9	836.4
7°	835.2	836.4	835.2	834.8	834.9	834.5
7.5°	832.9	834.1	832.9	832.6	832.8	832.3
8°	830.5	831.8	830.5	830.2	830.5	830.0
8.5°	827.9	829.3	827.9	827.6	828.1	827.4
9°	825.2	826.6	825.2	824.8	825.4	824.7
9.5°	822.4	823.9	822.4	821.9	822.5	821.8
10°	819.4	820.9	819.4	818.7	819.5	818.8
10.5°	816.5	817.9	816.5	815.3	816.1	815.6
11°	813.3	814.7	813.3	811.9	812.7	812.2
11.5°	810.0	811.4	810.0	808.2	809.1	808.7
12°	806.6	807.9	806.6	804.5	805.3	805.1
12.5°	803.1	804.3	803.1	800.7	801.3	801.3
13°	799.5	800.8	799.5	796.7	797.4	797.5
13.5°	795.9	797.0	795.9	792.7	793.1	793.6
14°	791.9	793.0	791.9	788.5	789.0	789.6
14.5°	787.8	789.0	787.8	784.2	784.5	785.6
15°	783.6	784.9	783.6	779.9	780.1	781.3
15.5°	779.3	780.7	779.3	775.4	775.5	776.9
16°	774.7	776.3	774.7	770.8	770.8	772.4
16.5°	769.8	772.0	769.8	765.9	765.8	767.9
17°	764.9	767.4	764.9	760.8	760.8	763.3
17.5°	759.6	762.7	759.6	755.5	755.8	758.2
18°	754.3	757.8	754.3	750.2	750.5	752.9
18.5°	748.9	752.6	748.9	744.6	745.0	747.4
19°	743.4	747.4	743.4	738.8	739.4	741.7
19.5°	737.7	741.9	737.7	732.8	733.5	735.7
20°	731.7	736.0	731.7	726.7	727.5	729.6
20.5°	725.5	729.6	725.5	720.5	721.2	723.2
21°	718.9	723.0	718.9	714.0	714.8	716.6
21.5°	712.2	716.0	712.2	707.3	708.1	709.8
22°	705.2	708.7	705.2	700.6	701.2	702.6

TEST NUMBER: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	698.1	701.0	698.1	693.9	694.1	695.2
23°	690.8	693.4	690.8	686.9	686.9	687.6
23.5°	683.3	685.4	683.3	680.0	679.5	679.8
24°	675.8	677.2	675.8	673.0	672.1	671.8
24.5°	668.1	668.8	668.1	665.7	664.5	663.7
25°	660.1	660.3	660.1	658.2	656.8	655.4
25.5°	652.0	651.5	652.0	650.7	648.9	647.0
26°	643.6	642.6	643.6	642.9	640.9	638.4
26.5°	635.2	633.3	635.2	634.8	632.7	629.7
27°	626.5	624.1	626.5	626.5	624.2	620.8
27.5°	617.7	614.7	617.7	618.0	615.5	611.9
28°	608.5	605.0	608.5	609.2	606.6	602.9
28.5°	599.2	595.4	599.2	600.2	597.5	593.3
29°	589.6	585.6	589.6	590.8	588.2	583.8
29.5°	579.8	575.7	579.8	581.3	578.6	574.0
30°	569.6	565.2	569.6	571.3	568.7	564.1
30.5°	559.1	554.9	559.1	561.1	558.7	554.2
31°	548.5	544.1	548.5	550.6	548.4	544.0
31.5°	537.7	533.3	537.7	539.8	537.9	533.6
32°	526.6	522.5	526.6	528.5	526.9	523.1
32.5°	515.5	511.5	515.5	517.2	516.2	512.6
33°	504.1	500.4	504.1	505.5	504.8	501.8
33.5°	492.4	489.2	492.4	493.8	493.5	491.4
34°	480.8	478.0	480.8	481.6	481.8	480.1
34.5°	468.7	466.7	468.7	469.5	470.1	469.0
35°	456.7	455.2	456.7	456.9	457.9	457.6
35.5°	444.4	443.8	444.4	444.3	445.7	446.1
36°	432.1	432.1	432.1	431.4	433.4	434.0
36.5°	419.7	420.4	419.7	418.7	420.9	422.0
37°	407.3	408.2	407.3	405.5	408.2	409.7
37.5°	394.8	395.7	394.8	392.5	395.5	397.1
38°	382.1	382.4	382.1	379.6	382.6	384.3
38.5°	369.2	369.6	369.2	366.7	369.8	371.6
39°	356.3	356.8	356.3	353.9	356.2	358.5
39.5°	343.4	344.1	343.4	341.2	343.2	345.0
40°	330.4	331.4	330.4	328.5	330.4	331.6
40.5°	317.4	318.7	317.4	315.9	317.6	318.3
41°	304.4	305.5	304.4	303.1	304.9	304.9
41.5°	291.5	292.4	291.5	290.3	292.0	291.6
42°	278.8	279.3	278.8	277.8	279.0	278.4
42.5°	266.4	266.3	266.4	265.5	266.1	265.4
43°	254.1	253.2	254.1	253.3	253.2	252.6
43.5°	241.7	240.2	241.7	241.2	240.6	239.9
44°	229.7	227.7	229.7	229.1	227.9	227.4
44.5°	218.0	215.5	218.0	217.4	215.8	215.0

TEST NUMBER: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	206.1	203.5	206.1	206.0	203.9	202.9
45.5°	194.4	191.8	194.4	194.6	192.3	190.9
46°	183.0	180.3	183.0	183.2	180.9	179.2
46.5°	171.9	169.3	171.9	172.0	169.8	167.9
47°	161.1	158.6	161.1	161.0	158.9	156.8
47.5°	150.6	148.3	150.6	150.3	148.3	146.2
48°	140.1	138.2	140.1	139.8	138.0	135.9
48.5°	130.3	128.6	130.3	129.5	128.1	126.2
49°	120.6	119.3	120.6	119.7	118.5	116.9
49.5°	111.4	110.6	111.4	110.5	109.5	108.3
50°	102.8	102.4	102.8	101.6	100.9	99.9
50.5°	94.3	94.3	94.3	93.0	92.4	91.7
51°	85.9	86.4	85.9	84.4	84.1	83.8
51.5°	78.2	78.7	78.2	76.3	76.3	76.8
52°	70.7	71.3	70.7	68.7	69.3	69.8
52.5°	63.8	64.4	63.8	61.8	62.6	63.5
53°	57.5	58.1	57.5	55.4	56.4	57.4
53.5°	51.6	51.9	51.6	49.7	50.6	51.8
54°	46.0	46.3	46.0	44.4	45.3	46.3
54.5°	40.8	41.1	40.8	39.5	40.3	41.3
55°	36.0	36.2	36.0	34.9	35.7	36.5
55.5°	31.5	31.5	31.5	30.9	31.4	32.0
56°	27.5	27.5	27.5	27.0	27.6	28.1
56.5°	23.7	23.7	23.7	23.4	24.1	24.3
57°	20.1	20.2	20.1	20.0	20.6	20.8
57.5°	16.6	16.7	16.6	16.6	17.2	17.3
58°	13.3	13.2	13.3	13.4	13.9	13.8
58.5°	10.1	10.1	10.1	10.1	10.8	10.7
59°	7.0	7.0	7.0	7.0	7.8	7.6
59.5°	4.4	4.7	4.4	4.4	5.3	5.3
60°	2.7	3.0	2.7	2.9	3.5	3.6
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	0.6
64.5°	0.4	0.4	0.4	0.4	0.5	0.5
65°	0.3	0.3	0.3	0.4	0.4	0.4
65.5°	0.3	0.3	0.3	0.3	0.4	0.4
66°	0.3	0.2	0.3	0.3	0.3	0.3
66.5°	0.2	0.2	0.2	0.2	0.3	0.3
67°	0.2	0.2	0.2	0.2	0.3	0.3

TEST NUMBER: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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	0.2
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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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°	0.0	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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.1	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.3	0.2	0.3	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	0.4
153.5°	0.3	0.3	0.3	0.3	0.4	0.4
154°	0.4	0.3	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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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	0.4
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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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: P1590620

CATALOG NUMBER: HCDLS510CSD6TRMW-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	6.2	7.3	6.5	7.6	7.9	5.9	7.0	6.3	7.3	7.7
	3H	6.0	7.0	6.4	7.3	7.7	5.7	6.7	6.1	7.1	7.4
	4H	5.9	6.8	6.3	7.2	7.6	5.7	6.6	6.1	6.9	7.3
	6H	5.8	6.6	6.2	7.0	7.4	5.6	6.4	6.0	6.8	7.2
	8H	5.8	6.5	6.2	6.9	7.3	5.5	6.3	5.9	6.7	7.1
	12H	5.7	6.5	6.1	6.8	7.3	5.4	6.2	5.9	6.6	7.0
4H	2H	5.9	6.8	6.3	7.2	7.6	5.7	6.6	6.1	6.9	7.3
	3H	5.7	6.5	6.2	6.9	7.3	5.5	6.2	5.9	6.6	7.0
	4H	5.6	6.3	6.1	6.7	7.1	5.4	6.0	5.8	6.4	6.9
	6H	5.5	6.1	6.0	6.5	7.0	5.3	5.8	5.7	6.3	6.7
	8H	5.5	6.0	5.9	6.4	6.9	5.2	5.7	5.7	6.2	6.6
	12H	5.4	5.8	5.9	6.3	6.8	5.1	5.6	5.6	6.1	6.5
8H	4H	5.5	6.0	5.9	6.4	6.9	5.2	5.7	5.7	6.2	6.6
	6H	5.3	5.8	5.8	6.3	6.7	5.1	5.5	5.6	6.0	6.5
	8H	5.3	5.6	5.8	6.2	6.7	5.0	5.4	5.5	5.9	6.4
	12H	5.2	5.5	5.7	6.0	6.6	4.9	5.3	5.5	5.8	6.3
12H	4H	5.4	5.8	5.9	6.3	6.8	5.1	5.6	5.6	6.1	6.5
	6H	5.3	5.6	5.8	6.1	6.7	5.0	5.4	5.5	5.8	6.4
	8H	5.2	5.5	5.7	6.0	6.6	4.9	5.3	5.5	5.8	6.3



(END OF REPORT)