

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: P1590532

Luminaire Tested: HCDLS510CSD4TRMW-LO-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603928A002)
Test Lab: INNOVATION CENTER
Issue Date: 9/4/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HCDLS510CSD4TRMW-LO-2700K
Description: 4" Selectable Round Trim+Matte White (paintable) 500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

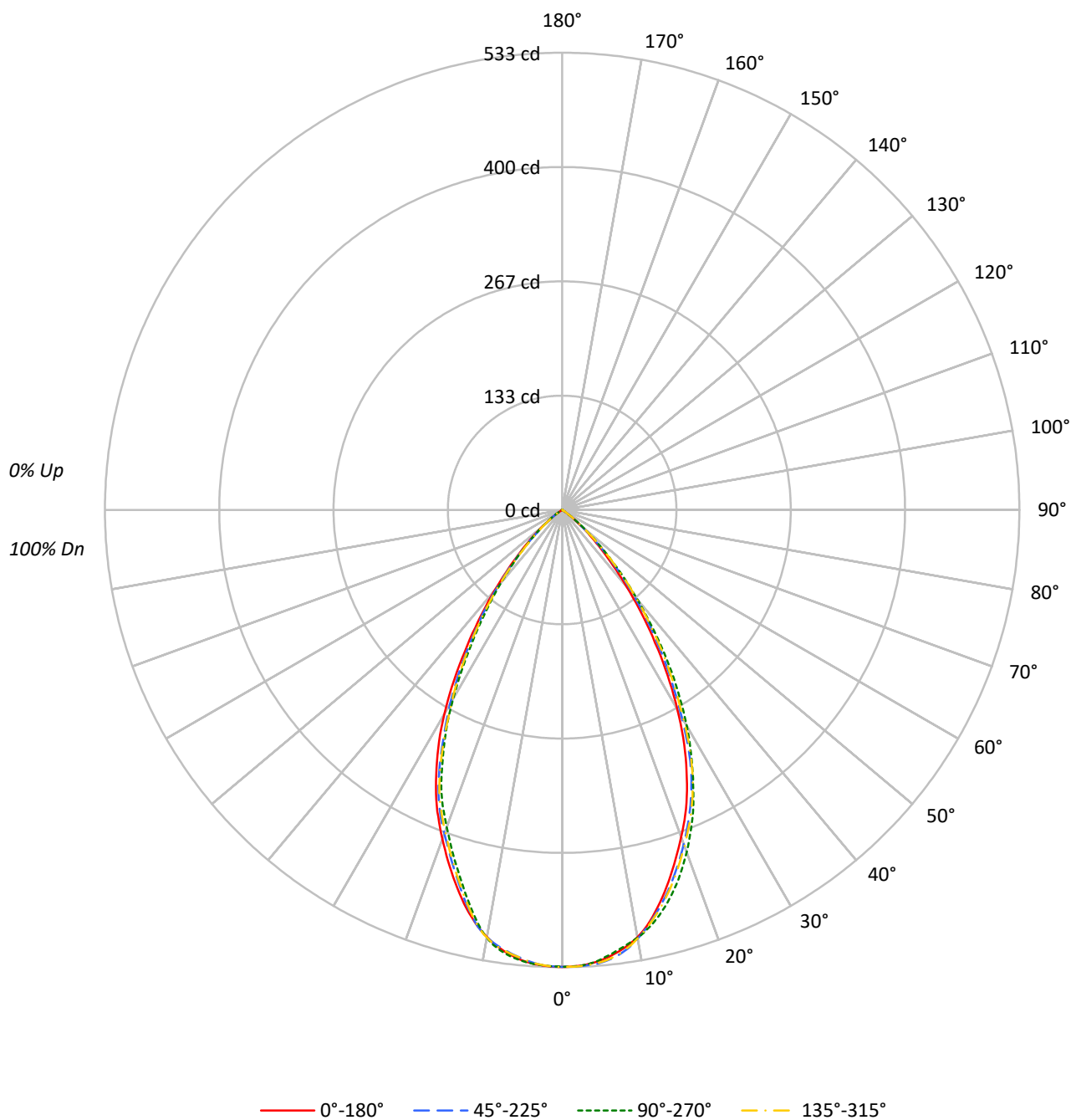
Lumens per Lamp: N/A
Luminaire Lumens: 520.8 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6.1
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	100		100
1	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93		93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86		86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79		79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73		73
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68		68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63		63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	67	63	60	58		58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55		55
9	73	63	57	53	72	63	57	53	62	56	53	61	56	53	60	56	52	51		51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		48

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	65694	65694	65694	65694
5°	65202	65053	65276	65363
10°	63326	63413	63313	63401
15°	58868	60528	59073	57553
20°	53240	55694	53581	51665
25°	46790	49253	47348	45102
30°	38284	41361	39111	36262
35°	28429	31998	29031	26351
40°	18968	22027	19724	17792
45°	11129	13344	11775	10867
50°	5450	6236	5834	5603
55°	1785	1892	1892	1914
60°	419	469	419	469
65°	204	233	204	233
70°	108	144	108	144
75°	48	95	95	95
80°	0	71	0	71
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	9.5
10°-20°	129.0	24.8
20°-30°	157.6	30.3
30°-40°	120.0	23.0
40°-50°	53.5	10.3
50°-60°	9.7	1.9
60°-70°	0.8	0.2
70°-80°	0.2	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°	0.0	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°	336.2	64.6
0°-40°	456.2	87.6
0°-60°	519.4	99.7
0°-90°	520.5	99.9
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	520.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	533	533	533	533	533	
5°	527	525	527	528	527	50
15°	461	474	463	451	461	129
25°	344	362	348	331	344	156
35°	189	212	193	175	189	118
45°	64	76	68	62	64	51
55°	8	9	9	9	8	9
65°	1	1	1	1	1	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°	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6
0.5°	532.7	532.5	532.5	532.7	532.5	532.5	532.7	532.7	532.7	532.5	532.5
1°	532.4	532.4	532.5	532.7	532.5	532.5	532.6	532.6	532.5	532.3	532.3
1.5°	532.1	532.2	532.4	532.5	532.3	532.4	532.5	532.4	532.3	532.0	532.0
2°	531.8	531.9	532.3	532.2	531.9	532.1	532.3	532.2	531.9	531.5	531.6
2.5°	531.3	531.8	532.0	531.8	531.5	531.6	532.1	531.9	531.4	530.9	531.0
3°	530.8	531.5	531.7	531.2	530.8	531.1	531.6	531.6	530.9	530.1	530.2
3.5°	529.9	531.2	531.3	530.5	529.8	530.3	531.1	531.2	530.3	529.1	529.2
4°	529.0	530.7	531.0	529.6	528.6	529.3	530.6	530.7	529.4	527.9	528.1
4.5°	527.8	530.0	530.4	528.4	527.1	528.0	529.8	530.0	528.4	526.5	526.8
5°	526.6	529.2	529.4	527.0	525.4	526.5	528.8	529.3	527.2	525.0	525.3
5.5°	525.1	528.2	528.4	525.5	523.7	524.9	527.6	528.3	525.9	523.3	523.8
6°	523.6	526.9	527.1	523.8	521.8	523.1	526.3	527.0	524.3	521.6	522.2
6.5°	521.9	525.4	525.7	522.0	519.9	521.3	524.8	525.6	522.5	519.8	520.5
7°	520.1	523.5	523.9	520.2	518.0	519.4	523.0	523.9	520.6	517.9	518.9
7.5°	518.1	521.5	521.8	518.2	516.1	517.4	521.1	521.8	518.7	516.0	517.0
8°	516.0	519.2	519.5	516.0	514.2	515.3	518.8	519.5	516.4	514.0	515.2
8.5°	513.7	516.7	516.9	513.7	512.3	513.3	516.3	517.0	513.9	511.8	513.1
9°	511.2	513.8	514.0	511.3	510.3	511.0	513.5	514.1	511.4	509.5	510.9
9.5°	508.5	510.7	510.9	508.7	508.4	508.7	510.5	510.9	508.7	507.1	508.4
10°	505.6	507.3	507.5	505.9	506.3	506.1	507.3	507.5	505.5	504.4	505.7
10.5°	502.4	503.7	503.9	503.0	504.0	503.5	503.9	503.8	502.2	501.3	502.4
11°	498.9	500.0	500.1	499.9	501.5	500.6	500.3	500.1	498.7	498.0	498.8
11.5°	495.0	495.8	496.3	496.6	498.7	497.6	496.6	496.2	495.0	494.4	494.8
12°	490.7	491.6	492.3	492.9	495.9	494.3	492.9	492.1	491.0	490.1	490.1
12.5°	486.2	487.2	488.0	489.4	492.6	490.8	489.0	487.9	486.5	485.6	484.9
13°	481.4	482.7	483.8	485.6	489.3	487.3	484.9	483.4	482.3	480.8	479.8
13.5°	476.5	478.0	479.4	481.8	485.7	483.7	480.7	479.1	477.6	475.7	474.4
14°	471.4	473.2	475.0	477.6	481.9	479.7	476.5	474.4	472.8	470.5	468.8
14.5°	466.3	468.3	470.5	473.5	478.0	475.7	472.0	469.8	467.6	465.2	463.1
15°	461.0	463.4	465.8	469.1	474.0	471.4	467.7	465.0	462.6	459.7	457.3
15.5°	455.5	458.3	461.1	464.6	469.7	467.0	463.0	460.1	457.4	454.2	451.4
16°	450.2	453.1	456.2	459.7	465.2	462.5	458.2	455.1	452.1	448.5	445.7
16.5°	444.8	448.0	451.3	455.1	460.7	457.7	453.2	449.9	446.7	442.9	440.0
17°	439.2	442.7	446.2	450.2	455.9	452.9	448.2	444.7	441.2	437.2	434.3
17.5°	433.6	437.4	441.0	445.1	451.0	447.9	443.1	439.2	435.7	431.6	428.6
18°	427.9	432.0	435.7	439.9	445.8	442.9	437.8	433.9	430.3	426.1	423.0
18.5°	422.3	426.4	430.4	434.6	440.6	437.6	432.6	428.6	424.8	420.4	417.4
19°	416.8	420.9	425.2	429.3	435.2	432.3	427.4	423.2	419.1	415.0	411.9
19.5°	411.2	415.5	419.9	423.9	429.9	426.9	422.1	417.7	413.6	409.6	407.0
20°	405.6	409.9	414.5	418.5	424.3	421.6	416.9	412.4	408.2	404.1	401.6
20.5°	400.1	404.5	409.1	413.0	418.7	416.2	411.5	407.2	402.6	398.7	396.3
21°	394.4	398.8	403.6	407.4	413.1	410.5	406.1	401.8	396.9	393.3	391.0
21.5°	388.9	393.2	398.1	401.7	407.0	404.6	400.7	396.4	391.3	387.8	385.7
22°	383.0	387.5	392.4	395.7	401.0	398.7	395.3	391.0	385.6	382.4	379.8

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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°	377.2	381.9	386.7	390.0	394.9	392.8	390.0	385.5	380.5	376.4	374.0
23°	370.8	375.8	381.0	383.5	388.9	387.0	384.6	379.5	374.3	370.0	368.0
23.5°	364.4	369.8	375.1	377.5	382.8	381.1	378.5	373.6	367.9	363.6	361.5
24°	357.7	363.6	369.0	370.8	375.8	374.5	372.5	367.6	361.4	357.0	354.6
24.5°	350.9	357.1	363.0	364.4	369.0	367.9	366.4	361.2	354.7	350.0	347.3
25°	343.8	350.4	356.6	357.4	361.9	361.1	360.1	354.9	347.9	342.9	339.8
25.5°	336.8	343.7	350.1	350.8	354.9	354.3	353.5	348.4	341.1	335.6	332.0
26°	329.7	336.7	343.3	343.8	348.0	347.4	346.9	341.6	334.2	328.2	323.7
26.5°	322.9	329.7	336.4	336.7	340.9	340.3	339.9	334.5	327.0	320.7	315.5
27°	315.4	322.5	328.9	329.6	333.8	333.1	332.6	327.3	320.0	313.0	307.3
27.5°	308.1	315.3	321.1	322.3	326.9	326.1	325.2	320.0	312.9	305.1	299.4
28°	300.5	307.9	313.0	315.0	319.8	319.0	317.2	312.4	305.5	297.4	291.6
28.5°	292.9	300.0	304.6	307.4	312.7	311.6	309.2	304.7	298.0	289.5	283.7
29°	284.9	292.4	296.2	299.8	305.5	304.3	300.9	296.6	290.4	281.7	276.2
29.5°	277.1	284.4	287.4	292.2	298.1	296.8	292.5	288.3	282.5	274.1	268.7
30°	268.8	276.2	278.8	284.2	290.4	289.1	283.6	279.7	274.6	266.4	261.2
30.5°	260.8	267.5	270.3	276.0	282.7	281.1	275.0	271.1	266.4	258.7	253.5
31°	252.7	259.2	262.1	267.8	274.9	273.2	266.6	262.4	258.3	251.2	245.7
31.5°	244.8	250.4	254.1	259.6	267.1	265.1	258.5	253.7	250.0	243.7	238.0
32°	236.8	242.0	246.3	251.3	259.2	256.9	250.6	245.4	242.1	236.2	230.1
32.5°	229.0	233.3	238.5	243.1	251.6	248.8	242.7	237.2	233.5	228.6	222.2
33°	221.2	225.3	231.1	235.0	244.0	240.5	235.4	229.2	225.2	221.1	214.3
33.5°	213.4	216.9	223.5	226.8	236.2	232.4	227.8	221.4	216.9	213.4	206.3
34°	205.7	209.2	216.0	219.1	228.3	224.4	220.4	213.8	208.9	205.8	198.8
34.5°	197.9	201.2	208.3	211.5	220.4	216.6	213.0	206.3	200.6	198.0	191.1
35°	188.8	193.5	200.6	204.0	212.5	208.9	205.5	199.0	192.8	190.0	183.9
35.5°	181.5	186.1	193.2	196.8	204.7	201.3	197.9	191.5	185.1	182.3	176.9
36°	174.3	178.7	185.8	189.9	196.6	193.9	190.4	183.9	177.8	174.7	170.1
36.5°	167.1	171.4	178.5	182.7	188.8	186.4	182.9	176.4	170.2	167.1	163.2
37°	159.8	164.0	171.2	175.4	180.9	179.2	175.4	169.0	163.0	159.8	156.6
37.5°	152.4	156.6	163.9	168.2	173.3	172.0	168.1	161.5	156.0	152.5	149.9
38°	145.0	149.9	156.5	161.0	165.8	164.9	161.2	154.4	149.0	145.6	143.2
38.5°	137.9	143.0	149.8	153.9	158.2	157.7	154.3	147.4	142.1	138.8	136.5
39°	131.1	136.5	143.3	147.0	150.9	151.0	147.7	140.6	135.5	132.2	130.1
39.5°	124.3	129.9	136.6	140.1	143.8	144.0	141.2	134.1	129.0	125.4	123.6
40°	117.8	123.6	130.1	133.4	136.8	137.4	134.7	127.9	122.5	118.9	117.3
40.5°	111.5	117.6	123.8	126.8	130.1	130.4	128.3	121.6	116.1	112.6	111.0
41°	105.5	111.5	117.4	120.4	123.4	123.9	121.9	115.6	109.9	106.4	105.1
41.5°	99.5	105.5	111.0	114.1	117.0	117.3	115.7	109.7	103.9	100.4	99.4
42°	93.9	100.0	105.1	108.1	110.7	111.0	109.4	104.1	98.1	94.4	93.9
42.5°	88.4	94.4	99.1	102.0	104.7	104.7	103.2	98.4	92.5	88.8	88.3
43°	83.1	88.9	93.3	95.9	98.7	98.7	97.2	93.0	87.2	83.4	82.9
43.5°	77.9	83.4	87.6	90.1	92.9	92.7	91.3	87.5	81.8	78.2	77.5
44°	73.1	78.2	82.4	84.3	87.2	87.1	85.7	82.3	76.9	73.2	72.5
44.5°	68.4	73.1	77.1	78.7	81.7	81.5	80.2	77.1	72.1	68.5	67.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	63.8	68.3	72.1	73.2	76.5	76.1	74.9	72.1	67.5	63.8	62.5
45.5°	59.4	63.5	67.3	67.9	71.2	70.8	69.9	67.3	63.0	59.4	57.8
46°	55.3	59.0	62.5	62.8	66.3	65.7	64.9	62.6	58.6	55.2	53.5
46.5°	51.3	54.6	57.8	57.9	61.3	60.7	60.2	58.0	54.5	51.6	49.7
47°	47.5	50.6	53.3	53.3	56.8	56.0	55.5	53.7	50.9	48.0	45.9
47.5°	43.8	46.5	48.9	48.9	52.7	51.9	51.5	49.8	47.3	44.3	42.2
48°	40.5	42.9	44.7	44.7	48.5	47.8	47.4	46.0	43.6	40.7	38.4
48.5°	37.1	39.1	40.7	40.7	44.4	43.7	43.3	42.1	40.0	37.1	35.3
49°	34.1	35.8	36.9	37.1	40.2	39.6	39.3	38.3	36.4	34.0	32.5
49.5°	31.2	32.6	33.3	33.6	36.1	35.5	35.2	34.5	33.3	31.1	29.9
50°	28.4	29.6	29.9	30.3	32.5	32.1	31.8	31.3	30.4	28.4	27.5
50.5°	25.7	26.6	26.8	27.1	29.1	28.9	28.6	28.2	27.6	25.9	25.2
51°	23.3	23.9	24.0	24.2	26.1	25.9	25.6	25.3	24.9	23.6	23.0
51.5°	20.9	21.4	21.3	21.5	23.1	23.1	22.9	22.7	22.4	21.4	21.0
52°	18.7	19.1	18.9	19.1	20.5	20.5	20.3	20.2	20.0	19.2	19.0
52.5°	16.8	17.1	17.0	17.1	18.0	18.1	17.9	17.8	17.8	17.2	17.1
53°	14.9	15.2	15.0	15.2	15.7	15.9	15.7	15.6	15.6	15.3	15.3
53.5°	13.0	13.3	13.1	13.2	13.6	13.8	13.7	13.6	13.7	13.5	13.6
54°	11.1	11.4	11.2	11.2	11.7	11.9	11.9	11.8	11.8	11.8	11.9
54.5°	9.6	9.4	9.3	9.3	10.1	10.3	10.3	10.1	10.2	10.2	10.4
55°	8.3	8.1	8.0	8.0	8.8	8.9	8.9	8.7	8.8	8.8	9.0
55.5°	7.0	6.9	6.7	6.7	7.5	7.6	7.6	7.5	7.5	7.6	7.8
56°	5.8	5.6	5.5	5.5	6.2	6.3	6.3	6.7	6.6	6.7	6.5
56.5°	4.7	4.5	4.4	4.5	5.5	5.6	5.6	5.8	5.7	5.9	5.7
57°	3.8	3.7	3.6	3.7	4.8	4.9	4.9	5.0	4.7	5.0	4.9
57.5°	3.2	3.0	3.0	3.1	4.1	4.2	4.1	4.2	3.8	4.2	4.2
58°	2.7	2.6	2.6	2.6	3.3	3.4	3.4	3.4	2.9	3.3	3.4
58.5°	2.3	2.2	2.2	2.3	2.6	2.7	2.7	2.6	2.5	2.5	2.6
59°	2.0	2.0	1.9	2.0	2.3	2.4	2.4	2.3	2.2	2.2	2.3
59.5°	1.8	1.8	1.8	1.8	2.1	2.1	2.1	2.0	1.9	1.9	2.0
60°	1.7	1.6	1.6	1.7	1.9	1.9	1.9	1.8	1.7	1.7	1.8
60.5°	1.5	1.5	1.5	1.5	1.7	1.8	1.7	1.6	1.6	1.5	1.6
61°	1.3	1.3	1.3	1.4	1.5	1.6	1.6	1.5	1.4	1.4	1.4
61.5°	1.2	1.2	1.2	1.2	1.4	1.5	1.4	1.3	1.3	1.3	1.3
62°	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.2
62.5°	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.1	1.1	1.1	1.1
63°	0.9	0.9	0.9	1.0	1.1	1.1	1.1	1.0	1.0	1.0	1.0
63.5°	0.9	0.8	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9
64°	0.8	0.8	0.8	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.9
64.5°	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8
65°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7
65.5°	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7
66°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6
66.5°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6
67°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.6

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
68°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
68.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4
69°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
69.5°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4
70.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
76°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
76.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
77°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
78°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
78.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
79°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
79.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
80°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1
80.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

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: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
131°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.0	0.0	0.0	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: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
143.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
144°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
156°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3
156.5°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3
173°	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2
173.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P1590532
CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	532.6	532.6	532.6	532.6	532.6	532.6
0.5°	532.6	532.2	532.4	532.6	532.6	532.7
1°	532.5	532.1	532.3	532.4	532.3	532.4
1.5°	532.2	531.9	532.1	532.0	531.9	532.1
2°	531.9	531.6	531.7	531.5	531.4	531.8
2.5°	531.4	531.2	531.2	530.9	530.9	531.3
3°	531.0	530.9	530.8	530.1	529.9	530.8
3.5°	530.3	530.4	530.1	529.2	528.9	529.9
4°	529.5	529.7	529.3	528.1	527.7	529.0
4.5°	528.4	528.9	528.3	526.9	526.4	527.8
5°	527.3	527.9	527.3	525.4	524.9	526.6
5.5°	526.1	526.8	526.1	524.0	523.3	525.1
6°	524.7	525.5	524.9	522.6	521.7	523.6
6.5°	523.3	524.2	523.4	521.1	520.1	521.9
7°	521.7	522.5	521.9	519.5	518.3	520.1
7.5°	519.9	520.6	520.0	517.9	516.7	518.1
8°	518.0	518.5	518.0	516.0	514.8	516.0
8.5°	515.9	516.0	515.7	514.0	512.8	513.7
9°	513.4	513.1	513.1	511.7	510.6	511.2
9.5°	510.7	510.0	510.0	509.2	508.2	508.5
10°	507.5	506.2	506.5	506.1	505.5	505.6
10.5°	503.9	502.0	502.4	502.8	502.5	502.4
11°	499.8	497.3	497.9	498.9	499.1	498.9
11.5°	495.0	492.0	492.9	494.4	495.2	495.0
12°	489.9	486.3	487.4	489.4	490.7	490.7
12.5°	484.4	480.7	481.8	484.2	485.8	486.2
13°	478.9	474.8	475.9	478.6	480.9	481.4
13.5°	473.1	469.0	470.0	472.9	475.7	476.5
14°	467.2	462.9	464.0	467.1	470.2	471.4
14.5°	461.2	456.9	458.0	461.3	464.6	466.3
15°	455.3	450.7	451.8	455.3	458.9	461.0
15.5°	449.4	444.8	445.9	449.6	453.1	455.5
16°	443.6	438.9	440.2	443.7	447.3	450.2
16.5°	437.8	433.3	434.4	438.0	441.9	444.8
17°	432.1	427.5	428.6	432.4	436.2	439.2
17.5°	426.6	421.7	423.1	426.7	430.6	433.6
18°	421.0	416.0	417.4	421.0	424.8	427.9
18.5°	415.3	410.3	411.7	415.5	419.2	422.3
19°	409.9	404.7	406.3	409.9	413.5	416.8
19.5°	404.6	398.9	400.8	404.5	408.0	411.2
20°	399.4	393.6	395.4	399.0	402.3	405.6
20.5°	394.1	387.9	389.9	393.7	396.8	400.1
21°	388.9	382.6	384.5	388.1	391.2	394.4
21.5°	383.6	377.0	379.1	382.6	385.5	388.9
22°	378.2	371.6	373.7	377.0	379.9	383.0

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	372.6	366.0	367.9	371.4	374.0	377.2
23°	366.5	359.9	361.8	365.4	367.8	370.8
23.5°	359.9	353.4	355.4	359.0	361.5	364.4
24°	353.2	346.4	348.6	352.1	354.7	357.7
24.5°	346.3	338.6	341.5	344.8	347.5	350.9
25°	339.0	331.4	334.1	337.2	340.0	343.8
25.5°	331.4	323.9	326.5	329.3	332.5	336.8
26°	323.8	316.6	318.9	321.2	324.8	329.7
26.5°	315.9	308.9	311.1	313.0	316.8	322.9
27°	307.7	301.6	303.3	304.8	308.5	315.4
27.5°	299.5	294.2	295.2	296.5	300.5	308.1
28°	291.0	286.5	287.1	288.3	292.8	300.5
28.5°	282.7	278.8	279.1	280.2	285.1	292.9
29°	274.6	270.9	271.2	272.4	277.5	284.9
29.5°	266.7	262.8	263.2	264.6	270.1	277.1
30°	258.7	254.6	255.0	257.0	262.8	268.8
30.5°	250.8	246.1	246.8	249.3	255.3	260.8
31°	243.0	238.0	238.7	241.6	247.8	252.7
31.5°	235.2	229.7	230.7	233.9	240.1	244.8
32°	227.6	221.6	222.8	226.2	232.3	236.8
32.5°	220.0	213.7	215.0	218.4	224.4	229.0
33°	212.4	205.9	207.4	210.7	216.5	221.2
33.5°	204.7	197.9	199.9	202.8	208.4	213.4
34°	197.2	189.1	192.9	195.3	200.4	205.7
34.5°	189.7	182.1	185.6	188.1	192.7	197.9
35°	182.4	175.0	178.3	180.9	185.4	188.8
35.5°	175.1	168.0	171.0	173.8	178.1	181.5
36°	168.1	161.0	163.7	166.6	170.7	174.3
36.5°	161.0	154.1	156.4	159.4	163.4	167.1
37°	154.1	147.4	149.5	152.7	156.1	159.8
37.5°	147.3	140.9	142.7	146.0	149.3	152.4
38°	140.6	134.6	135.9	139.6	142.6	145.0
38.5°	134.2	128.4	129.4	133.0	135.8	137.9
39°	127.9	122.5	123.5	126.7	129.3	131.1
39.5°	121.6	116.4	117.4	120.3	122.7	124.3
40°	115.4	110.5	111.5	114.1	116.2	117.8
40.5°	109.5	105.0	105.8	107.9	109.6	111.5
41°	103.7	99.6	100.4	101.9	103.5	105.5
41.5°	98.2	94.3	95.0	96.2	97.3	99.5
42°	92.7	89.3	89.8	90.6	91.6	93.9
42.5°	87.3	84.4	84.7	84.9	85.9	88.4
43°	82.2	79.8	79.8	79.9	80.6	83.1
43.5°	77.3	75.2	75.1	74.6	75.3	77.9
44°	72.6	70.7	70.5	69.7	70.3	73.1
44.5°	68.1	66.4	66.2	64.8	65.4	68.4

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	63.7	62.3	61.9	60.2	60.8	63.8
45.5°	59.5	58.4	58.0	55.8	56.4	59.4
46°	55.4	54.6	54.1	51.6	52.2	55.3
46.5°	51.7	50.9	50.4	47.6	48.2	51.3
47°	48.2	47.4	46.9	44.0	44.4	47.5
47.5°	44.7	44.0	43.4	40.6	40.9	43.8
48°	41.2	40.7	40.2	37.4	37.7	40.5
48.5°	37.8	37.7	37.1	34.4	34.6	37.1
49°	34.7	34.7	34.2	31.8	31.7	34.1
49.5°	31.8	31.9	31.4	29.3	29.2	31.2
50°	29.2	29.2	28.6	26.9	26.8	28.4
50.5°	26.6	26.6	26.1	24.6	24.5	25.7
51°	24.2	24.1	23.8	22.5	22.3	23.3
51.5°	22.0	21.8	21.5	20.5	20.4	20.9
52°	19.9	19.6	19.3	18.6	18.6	18.7
52.5°	17.8	17.7	17.6	16.8	16.8	16.8
53°	15.9	15.9	15.8	15.1	15.0	14.9
53.5°	14.1	14.0	14.0	13.4	13.2	13.0
54°	12.3	12.2	12.2	11.7	11.4	11.1
54.5°	10.7	10.3	10.4	10.2	9.9	9.6
55°	9.3	8.9	9.0	8.8	8.5	8.3
55.5°	8.0	7.7	7.8	7.6	7.4	7.0
56°	6.8	6.4	6.5	6.4	6.2	5.8
56.5°	6.0	5.3	5.4	5.3	5.0	4.7
57°	5.2	4.3	4.4	4.3	4.1	3.8
57.5°	4.4	3.6	3.7	3.6	3.4	3.2
58°	3.6	3.1	3.2	3.1	2.9	2.7
58.5°	2.8	2.7	2.8	2.7	2.5	2.3
59°	2.4	2.3	2.4	2.3	2.2	2.0
59.5°	2.1	2.1	2.2	2.1	1.9	1.8
60°	1.9	1.9	1.9	1.9	1.8	1.7
60.5°	1.7	1.8	1.8	1.8	1.6	1.5
61°	1.5	1.6	1.6	1.6	1.5	1.3
61.5°	1.4	1.5	1.5	1.5	1.3	1.2
62°	1.3	1.3	1.4	1.3	1.2	1.1
62.5°	1.2	1.2	1.3	1.2	1.1	1.0
63°	1.1	1.1	1.2	1.1	1.0	0.9
63.5°	1.0	1.0	1.1	1.0	0.9	0.9
64°	0.9	1.0	1.0	0.9	0.9	0.8
64.5°	0.9	0.9	0.9	0.9	0.8	0.7
65°	0.8	0.8	0.9	0.8	0.7	0.7
65.5°	0.7	0.8	0.8	0.8	0.7	0.6
66°	0.7	0.7	0.7	0.7	0.6	0.6
66.5°	0.6	0.7	0.7	0.7	0.6	0.5
67°	0.6	0.6	0.6	0.6	0.5	0.5

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.5	0.6	0.6	0.6	0.5	0.5
68°	0.5	0.5	0.6	0.5	0.5	0.4
68.5°	0.5	0.5	0.5	0.5	0.4	0.4
69°	0.4	0.5	0.5	0.5	0.4	0.4
69.5°	0.4	0.4	0.4	0.4	0.4	0.3
70°	0.4	0.4	0.4	0.4	0.3	0.3
70.5°	0.4	0.4	0.4	0.4	0.3	0.3
71°	0.3	0.3	0.4	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.2
72.5°	0.3	0.3	0.3	0.3	0.2	0.2
73°	0.2	0.3	0.3	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.1
75.5°	0.2	0.2	0.2	0.2	0.1	0.1
76°	0.1	0.2	0.2	0.1	0.1	0.1
76.5°	0.1	0.1	0.1	0.1	0.1	0.1
77°	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.1	0.1	0.1	0.1	0.1	0.1
78°	0.1	0.1	0.1	0.1	0.1	0.1
78.5°	0.1	0.1	0.1	0.1	0.1	0.1
79°	0.1	0.1	0.1	0.1	0.1	0.1
79.5°	0.1	0.1	0.1	0.1	0.1	0.0
80°	0.1	0.1	0.1	0.1	0.0	0.0
80.5°	0.0	0.1	0.1	0.1	0.0	0.0
81°	0.0	0.0	0.1	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: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

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: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

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°	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0
126.5°	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.1	0.0	0.0	0.0	0.0	0.0
130.5°	0.1	0.0	0.0	0.0	0.0	0.0
131°	0.1	0.1	0.1	0.1	0.0	0.0
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: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

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°	0.1	0.1	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.1	0.1
140.5°	0.1	0.1	0.1	0.1	0.1	0.1
141°	0.1	0.1	0.1	0.1	0.1	0.1
141.5°	0.1	0.1	0.1	0.1	0.1	0.1
142°	0.1	0.1	0.1	0.1	0.1	0.1
142.5°	0.1	0.1	0.1	0.1	0.1	0.1
143°	0.2	0.1	0.1	0.1	0.1	0.1
143.5°	0.2	0.1	0.1	0.1	0.1	0.1
144°	0.2	0.1	0.1	0.1	0.1	0.1
144.5°	0.2	0.1	0.1	0.1	0.1	0.1
145°	0.2	0.1	0.1	0.1	0.1	0.1
145.5°	0.2	0.1	0.1	0.1	0.1	0.1
146°	0.2	0.1	0.1	0.1	0.1	0.1
146.5°	0.2	0.1	0.1	0.1	0.1	0.1
147°	0.2	0.1	0.1	0.1	0.1	0.1
147.5°	0.2	0.1	0.1	0.1	0.1	0.1
148°	0.2	0.1	0.1	0.1	0.1	0.1
148.5°	0.2	0.1	0.1	0.1	0.1	0.1
149°	0.2	0.1	0.1	0.1	0.1	0.1
149.5°	0.2	0.1	0.1	0.1	0.1	0.1
150°	0.2	0.1	0.1	0.1	0.1	0.1
150.5°	0.2	0.1	0.1	0.1	0.1	0.1
151°	0.2	0.1	0.1	0.1	0.1	0.1
151.5°	0.2	0.1	0.1	0.1	0.1	0.1
152°	0.2	0.1	0.1	0.1	0.1	0.1
152.5°	0.2	0.1	0.1	0.1	0.1	0.1
153°	0.2	0.1	0.1	0.1	0.1	0.1
153.5°	0.2	0.1	0.1	0.1	0.1	0.1
154°	0.2	0.1	0.1	0.1	0.1	0.1
154.5°	0.2	0.1	0.1	0.1	0.1	0.1
155°	0.2	0.1	0.1	0.1	0.1	0.1
155.5°	0.2	0.1	0.1	0.1	0.1	0.1
156°	0.3	0.1	0.1	0.1	0.1	0.1
156.5°	0.3	0.1	0.1	0.1	0.1	0.1
157°	0.3	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.1	0.1	0.1	0.1	0.1
158°	0.3	0.1	0.1	0.1	0.1	0.1
158.5°	0.3	0.1	0.1	0.1	0.1	0.1
159°	0.3	0.1	0.1	0.1	0.1	0.1
159.5°	0.3	0.1	0.1	0.1	0.1	0.1
160°	0.3	0.1	0.1	0.2	0.2	0.1
160.5°	0.3	0.1	0.1	0.2	0.2	0.2
161°	0.3	0.1	0.1	0.2	0.2	0.2
161.5°	0.3	0.1	0.1	0.2	0.2	0.2
162°	0.3	0.1	0.1	0.2	0.2	0.2
162.5°	0.3	0.1	0.1	0.2	0.2	0.2
163°	0.3	0.1	0.1	0.2	0.2	0.2
163.5°	0.3	0.1	0.1	0.2	0.2	0.2
164°	0.3	0.1	0.1	0.2	0.2	0.2
164.5°	0.3	0.1	0.1	0.2	0.2	0.2
165°	0.3	0.1	0.1	0.2	0.2	0.2
165.5°	0.3	0.1	0.1	0.2	0.2	0.2
166°	0.3	0.1	0.1	0.2	0.2	0.2
166.5°	0.3	0.1	0.1	0.2	0.2	0.2
167°	0.3	0.1	0.1	0.2	0.2	0.2
167.5°	0.3	0.1	0.1	0.2	0.2	0.2
168°	0.3	0.1	0.1	0.2	0.2	0.2
168.5°	0.3	0.1	0.1	0.2	0.2	0.2
169°	0.3	0.1	0.1	0.2	0.2	0.2
169.5°	0.3	0.1	0.1	0.2	0.2	0.2
170°	0.3	0.1	0.1	0.2	0.2	0.2
170.5°	0.3	0.1	0.1	0.2	0.2	0.2
171°	0.3	0.1	0.1	0.2	0.2	0.2
171.5°	0.3	0.1	0.1	0.2	0.2	0.2
172°	0.3	0.1	0.1	0.2	0.2	0.2
172.5°	0.2	0.1	0.1	0.2	0.2	0.2
173°	0.2	0.1	0.1	0.2	0.2	0.2
173.5°	0.2	0.1	0.1	0.2	0.2	0.2
174°	0.2	0.1	0.1	0.2	0.2	0.2
174.5°	0.2	0.1	0.1	0.2	0.2	0.2
175°	0.2	0.1	0.2	0.2	0.2	0.2
175.5°	0.2	0.1	0.2	0.2	0.2	0.2
176°	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590532

CATALOG NUMBER: HCDLS510CSD4TRMW-LO-2700K

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	0.1	1.1	0.4	1.4	1.7	1.1	2.1	1.4	2.4	2.7
	3H	0.0	0.9	0.4	1.3	1.6	1.0	1.9	1.4	2.3	2.6
	4H	0.0	0.8	0.3	1.1	1.5	0.9	1.8	1.3	2.1	2.5
	6H	0.0	0.6	0.3	1.0	1.4	0.8	1.6	1.3	2.0	2.4
	8H	0.0	0.5	0.2	0.9	1.3	0.8	1.5	1.2	1.9	2.3
	12H	0.0	0.4	0.2	0.8	1.2	0.7	1.4	1.2	1.8	2.2
4H	2H	0.0	0.7	0.3	1.1	1.5	0.9	1.7	1.3	2.1	2.5
	3H	0.0	0.5	0.3	0.9	1.3	0.8	1.5	1.2	1.9	2.3
	4H	0.0	0.4	0.2	0.8	1.3	0.7	1.4	1.2	1.8	2.2
	6H	0.0	0.2	0.2	0.6	1.1	0.7	1.2	1.1	1.6	2.1
	8H	0.0	0.1	0.1	0.5	1.0	0.6	1.1	1.1	1.5	2.0
	12H	0.0	0.0	0.0	0.5	0.9	0.5	0.9	1.0	1.4	1.9
8H	4H	0.0	0.1	0.1	0.5	1.0	0.6	1.1	1.1	1.5	2.0
	6H	0.0	0.0	0.0	0.4	0.9	0.5	0.9	1.0	1.4	1.9
	8H	0.0	0.0	0.0	0.3	0.8	0.4	0.8	0.9	1.3	1.8
	12H	0.0	0.0	0.0	0.2	0.8	0.4	0.7	0.9	1.2	1.7
12H	4H	0.0	0.0	0.0	0.5	0.9	0.5	0.9	1.0	1.4	1.9
	6H	0.0	0.0	0.0	0.3	0.8	0.4	0.8	1.0	1.2	1.8
	8H	0.0	0.0	0.0	0.2	0.8	0.4	0.7	0.9	1.2	1.7

(END OF REPORT)