

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: P1590502

Luminaire Tested: HCDLS510CSD4TRC-LO-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590502
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: HCDLS510CSD4TRC-LO-2700K
Description: 4" Selectable Round Trim + Specular Clear 500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

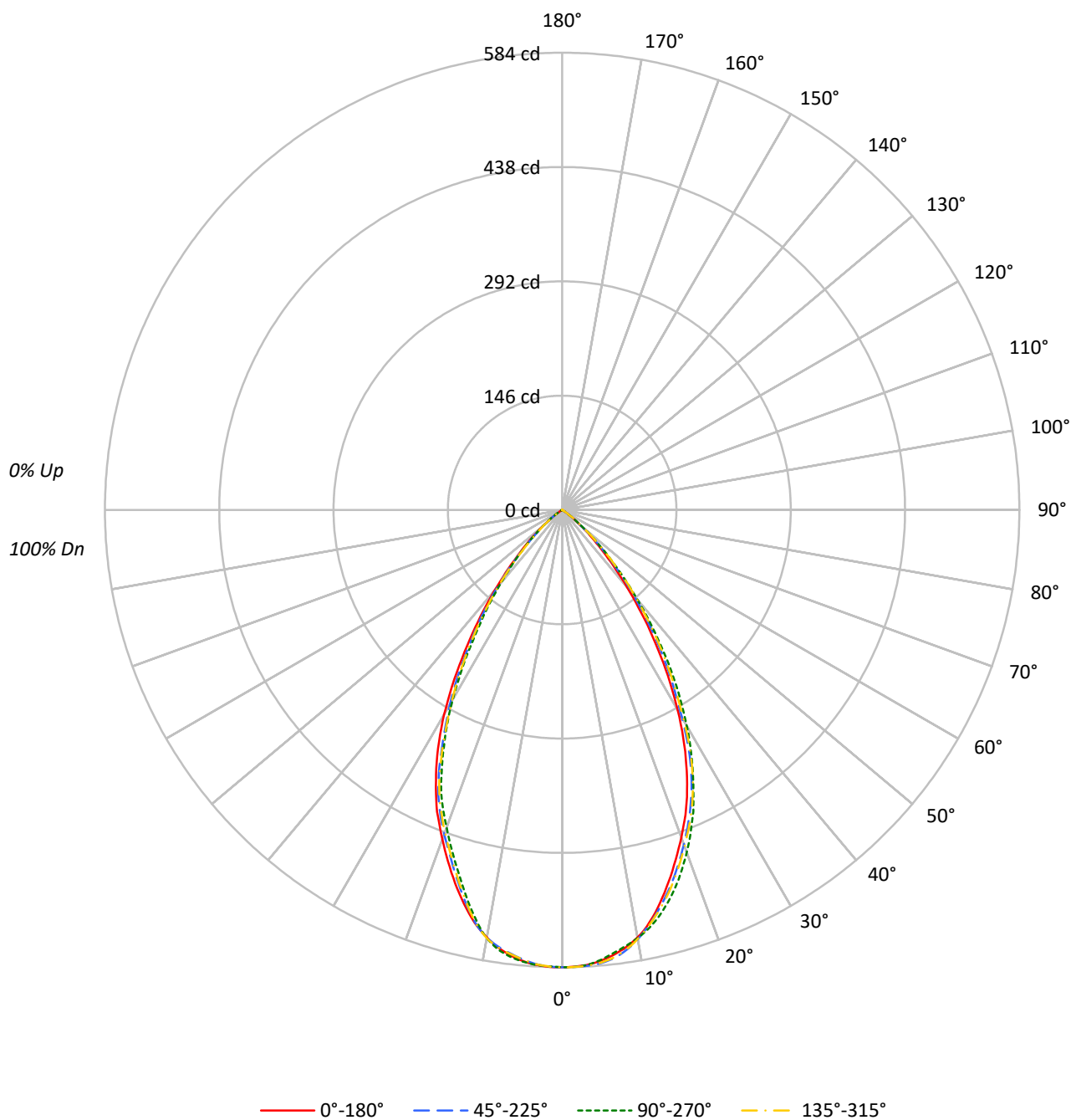
Lumens per Lamp: N/A
Luminaire Lumens: 571.2 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	72046	72046	72046	72046
5°	71504	71356	71591	71690
10°	69450	69550	69438	69538
15°	64563	66377	64793	63121
20°	58398	61076	58766	56653
25°	51322	54017	51935	49458
30°	41988	45363	42899	39780
35°	31169	35100	31832	28911
40°	20803	24169	21624	19515
45°	12193	14635	12908	11931
50°	5968	6851	6390	6141
55°	1957	2064	2064	2107
60°	444	493	469	518
65°	233	263	233	263
70°	144	144	144	144
75°	95	95	95	95
80°	0	71	71	71
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14635 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	9.5
10°-20°	141.4	24.8
20°-30°	172.8	30.3
30°-40°	131.7	23.0
40°-50°	58.7	10.3
50°-60°	10.6	1.9
60°-70°	0.9	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°	368.7	64.6
0°-40°	500.4	87.6
0°-60°	569.7	99.7
0°-90°	570.8	99.9
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	571.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	584	584	584	584	584	
5°	578	576	578	579	578	54
15°	506	520	507	494	506	141
25°	377	397	382	363	377	171
35°	207	233	211	192	207	129
45°	70	84	74	68	70	56
55°	9	10	10	10	9	10
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°	584.1	584.1	584.1	584.1	584.1	584.1	584.1	584.1	584.1	584.1	584.1
0.5°	584.2	584.0	584.0	584.2	584.0	584.0	584.3	584.2	584.2	584.0	584.0
1°	583.9	583.9	584.0	584.2	584.0	584.0	584.1	584.1	584.0	583.8	583.8
1.5°	583.6	583.7	583.9	584.0	583.8	583.9	584.0	583.9	583.8	583.5	583.5
2°	583.2	583.4	583.8	583.7	583.4	583.6	583.8	583.7	583.4	582.9	583.0
2.5°	582.7	583.2	583.5	583.3	582.9	583.1	583.6	583.4	582.9	582.3	582.4
3°	582.1	582.9	583.2	582.7	582.1	582.5	583.1	583.1	582.3	581.4	581.5
3.5°	581.2	582.6	582.8	581.9	581.1	581.6	582.5	582.6	581.6	580.4	580.5
4°	580.2	582.0	582.4	580.9	579.7	580.5	581.9	582.0	580.7	579.0	579.2
4.5°	578.9	581.3	581.7	579.6	578.1	579.1	581.1	581.3	579.6	577.5	577.7
5°	577.5	580.5	580.7	578.0	576.3	577.4	580.0	580.5	578.2	575.8	576.1
5.5°	575.9	579.3	579.5	576.3	574.3	575.7	578.7	579.4	576.8	573.9	574.5
6°	574.3	577.8	578.1	574.5	572.3	573.7	577.3	578.0	575.0	572.0	572.7
6.5°	572.4	576.2	576.6	572.6	570.2	571.7	575.6	576.5	573.1	570.1	570.9
7°	570.4	574.2	574.6	570.5	568.1	569.7	573.6	574.6	571.0	568.0	569.1
7.5°	568.2	571.9	572.3	568.3	566.1	567.5	571.5	572.3	568.9	565.9	567.1
8°	566.0	569.5	569.7	565.9	564.0	565.2	569.0	569.7	566.3	563.7	565.0
8.5°	563.4	566.7	566.9	563.4	561.9	563.0	566.2	567.0	563.7	561.3	562.8
9°	560.7	563.5	563.7	560.8	559.7	560.5	563.2	563.8	560.9	558.9	560.3
9.5°	557.7	560.1	560.3	557.9	557.6	557.9	559.9	560.3	557.9	556.1	557.6
10°	554.5	556.4	556.7	554.9	555.3	555.1	556.4	556.7	554.4	553.3	554.6
10.5°	551.1	552.5	552.7	551.7	552.8	552.2	552.7	552.6	550.8	549.8	551.0
11°	547.2	548.3	548.5	548.2	550.0	549.0	548.8	548.5	547.0	546.2	547.1
11.5°	542.9	543.8	544.3	544.6	547.0	545.7	544.7	544.2	542.9	542.2	542.6
12°	538.1	539.2	539.9	540.6	543.9	542.2	540.6	539.8	538.5	537.6	537.5
12.5°	533.2	534.3	535.2	536.8	540.3	538.3	536.3	535.2	533.6	532.5	531.8
13°	528.0	529.5	530.6	532.6	536.7	534.4	531.8	530.2	529.0	527.3	526.2
13.5°	522.6	524.3	525.8	528.4	532.7	530.5	527.3	525.5	523.8	521.8	520.3
14°	517.1	519.0	521.0	523.8	528.5	526.1	522.6	520.3	518.5	516.1	514.1
14.5°	511.4	513.7	516.1	519.3	524.2	521.7	517.7	515.3	512.9	510.2	507.9
15°	505.6	508.2	510.9	514.5	519.8	517.0	512.9	510.0	507.4	504.2	501.5
15.5°	499.6	502.7	505.8	509.6	515.2	512.2	507.8	504.7	501.7	498.2	495.1
16°	493.7	496.9	500.4	504.2	510.3	507.2	502.6	499.1	495.9	491.9	488.8
16.5°	487.8	491.3	495.0	499.1	505.2	502.0	497.1	493.5	489.9	485.7	482.6
17°	481.7	485.6	489.4	493.7	500.0	496.7	491.6	487.7	483.9	479.6	476.3
17.5°	475.5	479.7	483.7	488.2	494.7	491.3	486.0	481.8	477.9	473.4	470.1
18°	469.3	473.8	477.9	482.4	489.0	485.7	480.2	475.9	471.9	467.3	463.9
18.5°	463.2	467.7	472.1	476.7	483.3	480.0	474.5	470.1	465.9	461.1	457.8
19°	457.1	461.6	466.4	470.9	477.3	474.1	468.7	464.2	459.6	455.1	451.8
19.5°	451.0	455.7	460.5	464.9	471.5	468.3	463.0	458.1	453.6	449.2	446.3
20°	444.9	449.5	454.6	459.0	465.3	462.4	457.2	452.3	447.7	443.2	440.5
20.5°	438.8	443.6	448.7	453.0	459.3	456.4	451.3	446.6	441.5	437.3	434.7
21°	432.6	437.4	442.6	446.8	453.0	450.2	445.4	440.7	435.3	431.3	428.8
21.5°	426.5	431.3	436.7	440.6	446.4	443.8	439.5	434.8	429.2	425.4	423.0
22°	420.1	425.0	430.4	434.0	439.8	437.3	433.6	428.8	423.0	419.4	416.6

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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°	413.7	418.8	424.2	427.7	433.2	430.9	427.7	422.9	417.3	412.8	410.2
23°	406.7	412.2	417.9	420.7	426.5	424.4	421.8	416.3	410.5	405.8	403.6
23.5°	399.7	405.6	411.4	414.1	419.9	418.0	415.1	409.8	403.6	398.8	396.5
24°	392.3	398.8	404.7	406.7	412.2	410.7	408.6	403.1	396.3	391.6	388.9
24.5°	384.9	391.7	398.1	399.7	404.7	403.5	401.8	396.2	389.0	383.9	381.0
25°	377.1	384.3	391.1	392.0	396.9	396.1	394.9	389.2	381.6	376.1	372.7
25.5°	369.4	377.0	384.0	384.7	389.3	388.6	387.7	382.1	374.1	368.1	364.1
26°	361.6	369.3	376.6	377.0	381.6	381.0	380.4	374.7	366.5	360.0	355.1
26.5°	354.1	361.6	369.0	369.3	373.9	373.3	372.7	366.9	358.7	351.7	346.0
27°	346.0	353.7	360.7	361.5	366.1	365.4	364.8	359.0	351.0	343.3	337.0
27.5°	337.9	345.8	352.2	353.5	358.5	357.7	356.7	351.0	343.2	334.6	328.4
28°	329.6	337.7	343.3	345.4	350.8	349.9	347.9	342.7	335.1	326.2	319.8
28.5°	321.3	329.0	334.1	337.1	343.0	341.7	339.2	334.1	326.9	317.5	311.1
29°	312.5	320.7	324.8	328.8	335.1	333.8	330.1	325.3	318.5	309.0	303.0
29.5°	303.9	311.9	315.2	320.4	327.0	325.5	320.8	316.2	309.9	300.6	294.7
30°	294.8	302.9	305.8	311.7	318.5	317.1	311.1	306.8	301.2	292.2	286.4
30.5°	286.0	293.4	296.5	302.7	310.0	308.3	301.6	297.3	292.1	283.7	278.1
31°	277.2	284.3	287.5	293.8	301.5	299.6	292.4	287.8	283.3	275.5	269.5
31.5°	268.5	274.7	278.7	284.7	293.0	290.8	283.5	278.3	274.2	267.2	261.0
32°	259.7	265.4	270.1	275.6	284.3	281.8	274.9	269.1	265.5	259.0	252.3
32.5°	251.2	255.9	261.6	266.6	276.0	272.9	266.2	260.2	256.1	250.7	243.7
33°	242.7	247.1	253.5	257.7	267.6	263.8	258.1	251.4	247.0	242.5	235.0
33.5°	234.1	237.9	245.2	248.7	259.1	254.8	249.9	242.9	237.8	234.1	226.2
34°	225.6	229.5	237.0	240.3	250.4	246.1	241.7	234.5	229.1	225.7	218.0
34.5°	217.0	220.7	228.4	231.9	241.7	237.5	233.6	226.3	220.0	217.1	209.6
35°	207.0	212.2	220.0	223.8	233.1	229.1	225.4	218.3	211.4	208.4	201.7
35.5°	199.1	204.1	211.8	215.9	224.5	220.8	217.0	210.0	203.1	199.9	194.1
36°	191.2	196.0	203.8	208.2	215.7	212.7	208.8	201.7	195.0	191.6	186.6
36.5°	183.2	187.9	195.8	200.3	207.1	204.5	200.6	193.5	186.7	183.3	179.0
37°	175.3	179.8	187.7	192.4	198.4	196.5	192.4	185.4	178.8	175.3	171.8
37.5°	167.1	171.7	179.7	184.5	190.0	188.6	184.3	177.1	171.1	167.3	164.4
38°	159.0	164.4	171.7	176.6	181.8	180.9	176.8	169.3	163.5	159.7	157.1
38.5°	151.2	156.8	164.3	168.8	173.5	173.0	169.2	161.7	155.9	152.2	149.7
39°	143.8	149.7	157.1	161.3	165.6	165.6	162.0	154.2	148.6	145.0	142.6
39.5°	136.4	142.5	149.8	153.7	157.7	157.9	154.8	147.1	141.4	137.6	135.5
40°	129.2	135.6	142.7	146.3	150.1	150.6	147.8	140.2	134.3	130.5	128.6
40.5°	122.3	129.0	135.8	139.1	142.7	143.0	140.7	133.4	127.3	123.5	121.8
41°	115.7	122.3	128.8	132.0	135.3	135.8	133.7	126.8	120.5	116.7	115.3
41.5°	109.1	115.8	121.8	125.1	128.3	128.6	126.8	120.4	113.9	110.1	109.0
42°	103.0	109.7	115.3	118.5	121.4	121.8	120.0	114.2	107.6	103.6	102.9
42.5°	97.0	103.5	108.7	111.9	114.8	114.9	113.2	107.9	101.5	97.4	96.8
43°	91.2	97.5	102.4	105.2	108.3	108.3	106.6	101.9	95.6	91.5	90.9
43.5°	85.5	91.4	96.1	98.8	101.9	101.7	100.2	96.0	89.8	85.7	85.0
44°	80.2	85.7	90.4	92.4	95.6	95.6	94.0	90.3	84.4	80.3	79.5
44.5°	75.0	80.2	84.6	86.3	89.6	89.4	88.0	84.5	79.0	75.1	73.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	69.9	74.9	79.1	80.3	83.9	83.5	82.2	79.1	74.0	70.0	68.5
45.5°	65.1	69.6	73.8	74.4	78.1	77.6	76.6	73.8	69.1	65.2	63.3
46°	60.7	64.7	68.5	68.9	72.7	72.1	71.2	68.7	64.2	60.6	58.7
46.5°	56.2	59.9	63.4	63.5	67.3	66.6	66.1	63.6	59.8	56.6	54.5
47°	52.1	55.5	58.4	58.5	62.3	61.4	60.9	58.9	55.8	52.6	50.4
47.5°	48.0	51.0	53.6	53.6	57.8	56.9	56.4	54.6	51.8	48.6	46.2
48°	44.4	47.0	49.1	49.0	53.2	52.4	52.0	50.4	47.9	44.6	42.1
48.5°	40.7	42.9	44.7	44.7	48.7	47.9	47.5	46.2	43.9	40.6	38.7
49°	37.4	39.3	40.5	40.7	44.1	43.4	43.1	42.0	39.9	37.3	35.6
49.5°	34.2	35.8	36.5	36.9	39.6	38.9	38.6	37.8	36.5	34.1	32.8
50°	31.1	32.5	32.8	33.2	35.7	35.2	34.9	34.3	33.3	31.2	30.1
50.5°	28.2	29.2	29.4	29.8	32.0	31.6	31.3	30.9	30.3	28.4	27.6
51°	25.5	26.3	26.3	26.6	28.6	28.4	28.1	27.8	27.3	25.8	25.2
51.5°	22.9	23.5	23.3	23.6	25.4	25.3	25.1	24.8	24.6	23.4	23.0
52°	20.5	20.9	20.7	20.9	22.5	22.5	22.3	22.1	22.0	21.1	20.9
52.5°	18.4	18.8	18.6	18.8	19.7	19.8	19.7	19.5	19.5	18.9	18.8
53°	16.4	16.7	16.5	16.6	17.2	17.4	17.3	17.2	17.1	16.8	16.8
53.5°	14.3	14.6	14.4	14.5	14.9	15.1	15.0	14.9	15.0	14.8	14.9
54°	12.2	12.5	12.3	12.3	12.9	13.1	13.1	12.9	13.0	12.9	13.1
54.5°	10.5	10.3	10.2	10.2	11.1	11.3	11.3	11.1	11.2	11.2	11.4
55°	9.1	8.9	8.7	8.8	9.6	9.8	9.7	9.6	9.6	9.7	9.9
55.5°	7.7	7.5	7.4	7.4	8.2	8.4	8.3	8.2	8.2	8.3	8.5
56°	6.4	6.2	6.0	6.0	6.9	6.9	6.9	7.3	7.2	7.4	7.1
56.5°	5.2	5.0	4.9	4.9	6.1	6.1	6.1	6.4	6.2	6.5	6.3
57°	4.2	4.0	3.9	4.0	5.3	5.4	5.3	5.5	5.2	5.5	5.4
57.5°	3.5	3.3	3.3	3.4	4.5	4.6	4.6	4.6	4.2	4.6	4.6
58°	2.9	2.8	2.8	2.9	3.7	3.8	3.8	3.7	3.2	3.7	3.7
58.5°	2.5	2.4	2.4	2.5	2.9	3.0	3.0	2.8	2.8	2.7	2.9
59°	2.2	2.1	2.1	2.2	2.5	2.6	2.6	2.5	2.4	2.4	2.5
59.5°	2.0	2.0	2.0	2.0	2.3	2.4	2.3	2.2	2.1	2.1	2.2
60°	1.8	1.8	1.8	1.8	2.0	2.1	2.1	2.0	1.9	1.9	1.9
60.5°	1.7	1.6	1.6	1.7	1.8	1.9	1.9	1.8	1.7	1.7	1.7
61°	1.5	1.4	1.4	1.5	1.7	1.7	1.7	1.6	1.5	1.5	1.6
61.5°	1.3	1.3	1.3	1.4	1.5	1.6	1.6	1.5	1.4	1.4	1.4
62°	1.2	1.2	1.2	1.2	1.4	1.5	1.4	1.3	1.3	1.3	1.3
62.5°	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.2
63°	1.0	1.0	1.0	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1
63.5°	1.0	0.9	0.9	1.0	1.1	1.2	1.1	1.0	1.0	1.0	1.0
64°	0.9	0.9	0.9	0.9	1.0	1.1	1.0	1.0	0.9	0.9	0.9
64.5°	0.8	0.8	0.8	0.8	0.9	1.0	1.0	0.9	0.9	0.8	0.9
65°	0.8	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8
65.5°	0.7	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.8
66°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
66.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.7
67°	0.6	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6

TEST NUMBER: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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	0.6	0.6	0.5	0.6
68°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
68.5°	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
69°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5
69.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
70°	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4
70.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
71°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75.5°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
76.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	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°	0.1	0.0	0.1	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	0.1	0.1	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	0.1	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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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	0.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.0	0.0	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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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	0.2	0.2	0.2
142.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	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	0.3	0.3
153°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3
153.5°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154.5°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
176.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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: P1590502
CATALOG NUMBER: HCDLS510CSD4TRC-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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	584.1	584.1	584.1	584.1	584.1	584.1
0.5°	584.1	583.7	583.9	584.1	584.1	584.2
1°	584.0	583.6	583.8	583.9	583.8	583.9
1.5°	583.7	583.3	583.6	583.5	583.4	583.6
2°	583.4	583.0	583.1	582.9	582.9	583.2
2.5°	582.9	582.7	582.7	582.3	582.2	582.7
3°	582.4	582.3	582.1	581.4	581.2	582.1
3.5°	581.6	581.7	581.4	580.4	580.0	581.2
4°	580.7	580.9	580.5	579.2	578.8	580.2
4.5°	579.5	580.0	579.5	577.8	577.3	578.9
5°	578.3	579.0	578.3	576.3	575.7	577.5
5.5°	577.0	577.8	577.1	574.8	574.0	575.9
6°	575.5	576.4	575.7	573.2	572.1	574.3
6.5°	573.9	574.9	574.1	571.5	570.5	572.4
7°	572.1	573.0	572.4	569.8	568.5	570.4
7.5°	570.2	571.0	570.3	568.0	566.7	568.2
8°	568.1	568.7	568.1	565.9	564.6	566.0
8.5°	565.8	566.0	565.6	563.8	562.4	563.4
9°	563.1	562.8	562.7	561.2	560.0	560.7
9.5°	560.1	559.3	559.4	558.4	557.4	557.7
10°	556.7	555.2	555.5	555.1	554.4	554.5
10.5°	552.7	550.6	551.1	551.5	551.2	551.1
11°	548.2	545.4	546.1	547.2	547.4	547.2
11.5°	542.9	539.6	540.5	542.3	543.2	542.9
12°	537.3	533.4	534.6	536.7	538.2	538.1
12.5°	531.3	527.3	528.4	531.1	532.9	533.2
13°	525.2	520.7	521.9	525.0	527.5	528.0
13.5°	518.9	514.4	515.5	518.7	521.7	522.6
14°	512.5	507.7	508.9	512.3	515.7	517.1
14.5°	505.9	501.1	502.3	506.0	509.6	511.4
15°	499.3	494.3	495.6	499.3	503.4	505.6
15.5°	492.9	487.8	489.1	493.1	497.0	499.6
16°	486.5	481.4	482.8	486.6	490.6	493.7
16.5°	480.1	475.2	476.5	480.4	484.6	487.8
17°	473.9	468.8	470.1	474.2	478.4	481.7
17.5°	467.8	462.5	464.1	468.0	472.3	475.5
18°	461.7	456.2	457.8	461.8	466.0	469.3
18.5°	455.5	450.0	451.5	455.7	459.8	463.2
19°	449.6	443.8	445.6	449.6	453.5	457.1
19.5°	443.8	437.5	439.5	443.6	447.5	451.0
20°	438.0	431.6	433.7	437.6	441.2	444.9
20.5°	432.3	425.5	427.7	431.8	435.2	438.8
21°	426.5	419.6	421.7	425.6	429.0	432.6
21.5°	420.7	413.5	415.8	419.6	422.8	426.5
22°	414.8	407.6	409.8	413.5	416.7	420.1

TEST NUMBER: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	408.7	401.4	403.6	407.4	410.2	413.7
23°	402.0	394.8	396.8	400.8	403.4	406.7
23.5°	394.8	387.6	389.8	393.7	396.5	399.7
24°	387.4	379.9	382.3	386.2	389.0	392.3
24.5°	379.8	371.4	374.5	378.2	381.1	384.9
25°	371.9	363.4	366.4	369.9	372.9	377.1
25.5°	363.5	355.3	358.1	361.2	364.7	369.4
26°	355.1	347.2	349.8	352.3	356.2	361.6
26.5°	346.5	338.7	341.3	343.3	347.5	354.1
27°	337.5	330.8	332.7	334.3	338.4	346.0
27.5°	328.5	322.6	323.8	325.2	329.5	337.9
28°	319.2	314.2	314.9	316.2	321.1	329.6
28.5°	310.1	305.7	306.2	307.4	312.7	321.3
29°	301.2	297.2	297.4	298.7	304.4	312.5
29.5°	292.5	288.3	288.7	290.2	296.2	303.9
30°	283.8	279.3	279.7	281.8	288.2	294.8
30.5°	275.0	269.9	270.7	273.4	280.0	286.0
31°	266.5	261.1	261.8	264.9	271.8	277.2
31.5°	258.0	251.9	253.0	256.5	263.4	268.5
32°	249.7	243.1	244.3	248.0	254.7	259.7
32.5°	241.3	234.3	235.8	239.6	246.1	251.2
33°	233.0	225.8	227.4	231.1	237.4	242.7
33.5°	224.5	217.0	219.3	222.4	228.6	234.1
34°	216.3	207.4	211.6	214.2	219.8	225.6
34.5°	208.0	199.7	203.6	206.3	211.3	217.0
35°	200.1	192.0	195.6	198.4	203.3	207.0
35.5°	192.0	184.2	187.6	190.6	195.3	199.1
36°	184.4	176.5	179.6	182.7	187.3	191.2
36.5°	176.6	169.1	171.6	174.9	179.2	183.2
37°	169.0	161.7	164.0	167.5	171.2	175.3
37.5°	161.5	154.5	156.5	160.2	163.8	167.1
38°	154.2	147.6	149.1	153.1	156.4	159.0
38.5°	147.1	140.9	141.9	145.9	149.0	151.2
39°	140.2	134.4	135.4	139.0	141.8	143.8
39.5°	133.4	127.7	128.8	131.9	134.6	136.4
40°	126.5	121.2	122.3	125.1	127.4	129.2
40.5°	120.1	115.1	116.0	118.3	120.2	122.3
41°	113.8	109.2	110.1	111.8	113.5	115.7
41.5°	107.7	103.5	104.2	105.5	106.7	109.1
42°	101.7	97.9	98.5	99.3	100.4	103.0
42.5°	95.8	92.6	92.9	93.2	94.2	97.0
43°	90.2	87.5	87.5	87.6	88.4	91.2
43.5°	84.8	82.4	82.3	81.9	82.6	85.5
44°	79.6	77.6	77.4	76.4	77.1	80.2
44.5°	74.7	72.9	72.6	71.1	71.8	75.0

TEST NUMBER: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	69.8	68.4	67.9	66.1	66.7	69.9
45.5°	65.2	64.0	63.6	61.2	61.9	65.1
46°	60.8	59.9	59.4	56.6	57.3	60.7
46.5°	56.7	55.8	55.3	52.2	52.8	56.2
47°	52.8	52.0	51.4	48.2	48.7	52.1
47.5°	49.0	48.2	47.6	44.5	44.8	48.0
48°	45.2	44.6	44.1	41.0	41.3	44.4
48.5°	41.4	41.3	40.7	37.8	38.0	40.7
49°	38.1	38.1	37.5	34.8	34.8	37.4
49.5°	34.9	34.9	34.4	32.1	32.1	34.2
50°	32.0	32.0	31.4	29.5	29.4	31.1
50.5°	29.2	29.1	28.6	27.0	26.9	28.2
51°	26.6	26.4	26.0	24.7	24.5	25.5
51.5°	24.1	23.9	23.6	22.5	22.3	22.9
52°	21.8	21.5	21.2	20.4	20.4	20.5
52.5°	19.5	19.4	19.3	18.5	18.4	18.4
53°	17.4	17.4	17.3	16.6	16.5	16.4
53.5°	15.4	15.4	15.3	14.7	14.5	14.3
54°	13.5	13.3	13.3	12.8	12.5	12.2
54.5°	11.8	11.3	11.4	11.2	10.9	10.5
55°	10.2	9.8	9.8	9.7	9.4	9.1
55.5°	8.8	8.4	8.5	8.3	8.1	7.7
56°	7.5	7.0	7.1	7.0	6.8	6.4
56.5°	6.6	5.8	5.9	5.8	5.5	5.2
57°	5.7	4.8	4.8	4.7	4.5	4.2
57.5°	4.8	4.0	4.1	3.9	3.7	3.5
58°	3.9	3.4	3.5	3.4	3.1	2.9
58.5°	3.0	2.9	3.0	2.9	2.7	2.5
59°	2.6	2.6	2.7	2.6	2.4	2.2
59.5°	2.3	2.3	2.4	2.3	2.1	2.0
60°	2.1	2.1	2.1	2.1	1.9	1.8
60.5°	1.9	1.9	2.0	1.9	1.8	1.7
61°	1.7	1.8	1.8	1.8	1.6	1.5
61.5°	1.5	1.6	1.7	1.6	1.4	1.3
62°	1.4	1.5	1.5	1.4	1.3	1.2
62.5°	1.3	1.3	1.4	1.3	1.2	1.1
63°	1.2	1.2	1.3	1.2	1.1	1.0
63.5°	1.1	1.1	1.2	1.1	1.0	1.0
64°	1.0	1.1	1.1	1.0	0.9	0.9
64.5°	0.9	1.0	1.0	1.0	0.9	0.8
65°	0.9	0.9	0.9	0.9	0.8	0.8
65.5°	0.8	0.8	0.9	0.8	0.7	0.7
66°	0.7	0.8	0.8	0.8	0.7	0.6
66.5°	0.7	0.7	0.8	0.7	0.6	0.6
67°	0.6	0.7	0.7	0.7	0.6	0.6

TEST NUMBER: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.6	0.6	0.7	0.6	0.6	0.5
68°	0.6	0.6	0.6	0.6	0.5	0.5
68.5°	0.5	0.5	0.6	0.5	0.5	0.4
69°	0.5	0.5	0.5	0.5	0.4	0.4
69.5°	0.5	0.5	0.5	0.5	0.4	0.4
70°	0.4	0.4	0.5	0.4	0.4	0.4
70.5°	0.4	0.4	0.4	0.4	0.4	0.3
71°	0.4	0.4	0.4	0.4	0.3	0.3
71.5°	0.3	0.4	0.4	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.2
73°	0.3	0.3	0.3	0.3	0.2	0.2
73.5°	0.2	0.3	0.3	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	0.2
75.5°	0.2	0.2	0.2	0.2	0.2	0.1
76°	0.2	0.2	0.2	0.2	0.1	0.1
76.5°	0.1	0.2	0.2	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	0.1
80°	0.1	0.1	0.1	0.1	0.1	0.0
80.5°	0.1	0.1	0.1	0.1	0.0	0.0
81°	0.0	0.1	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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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°	0.1	0.0	0.0	0.0	0.0	0.0
130°	0.1	0.1	0.1	0.1	0.0	0.0
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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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°	0.2	0.1	0.1	0.1	0.1	0.1
142°	0.2	0.1	0.1	0.1	0.1	0.1
142.5°	0.2	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°	0.3	0.1	0.1	0.1	0.1	0.1
153°	0.3	0.1	0.1	0.1	0.1	0.1
153.5°	0.3	0.1	0.1	0.1	0.1	0.1
154°	0.3	0.1	0.1	0.1	0.1	0.1
154.5°	0.3	0.1	0.1	0.2	0.2	0.2
155°	0.3	0.1	0.1	0.2	0.2	0.2
155.5°	0.3	0.1	0.2	0.2	0.2	0.2
156°	0.3	0.1	0.2	0.2	0.2	0.2
156.5°	0.3	0.2	0.2	0.2	0.2	0.2
157°	0.3	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.2	0.2	0.2	0.2
158°	0.3	0.2	0.2	0.2	0.2	0.2
158.5°	0.3	0.2	0.2	0.2	0.2	0.2
159°	0.3	0.2	0.2	0.2	0.2	0.2
159.5°	0.3	0.2	0.2	0.2	0.2	0.2
160°	0.3	0.2	0.2	0.2	0.2	0.2
160.5°	0.3	0.2	0.2	0.2	0.2	0.2
161°	0.3	0.2	0.2	0.2	0.2	0.2
161.5°	0.3	0.2	0.2	0.2	0.2	0.2
162°	0.3	0.2	0.2	0.2	0.2	0.2
162.5°	0.3	0.2	0.2	0.2	0.2	0.2
163°	0.3	0.2	0.2	0.2	0.2	0.2
163.5°	0.3	0.2	0.2	0.2	0.2	0.2
164°	0.3	0.2	0.2	0.2	0.2	0.2
164.5°	0.3	0.2	0.2	0.2	0.2	0.2
165°	0.3	0.2	0.2	0.2	0.2	0.2
165.5°	0.3	0.2	0.2	0.2	0.2	0.2
166°	0.3	0.2	0.2	0.2	0.2	0.2
166.5°	0.3	0.2	0.2	0.2	0.2	0.2
167°	0.3	0.2	0.2	0.2	0.2	0.2
167.5°	0.3	0.2	0.2	0.2	0.2	0.2
168°	0.3	0.2	0.2	0.2	0.2	0.2
168.5°	0.3	0.2	0.2	0.2	0.2	0.2
169°	0.3	0.2	0.2	0.2	0.2	0.2
169.5°	0.3	0.2	0.2	0.2	0.2	0.2
170°	0.3	0.2	0.2	0.2	0.2	0.2
170.5°	0.3	0.2	0.2	0.2	0.2	0.2
171°	0.3	0.2	0.2	0.2	0.2	0.2
171.5°	0.3	0.2	0.2	0.2	0.2	0.2
172°	0.3	0.2	0.2	0.2	0.2	0.2
172.5°	0.3	0.2	0.2	0.2	0.2	0.2
173°	0.3	0.2	0.2	0.2	0.2	0.2
173.5°	0.3	0.2	0.2	0.2	0.2	0.2
174°	0.3	0.2	0.2	0.2	0.2	0.2
174.5°	0.3	0.2	0.2	0.2	0.2	0.2
175°	0.3	0.2	0.2	0.2	0.2	0.2
175.5°	0.3	0.2	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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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: P1590502

CATALOG NUMBER: HCDLS510CSD4TRC-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	0.3	1.4	0.7	1.7	2.0	1.4	2.5	1.8	2.8	3.1
	3H	0.3	1.2	0.6	1.5	1.9	1.4	2.3	1.8	2.6	3.0
	4H	0.2	1.0	0.6	1.4	1.8	1.3	2.1	1.7	2.5	2.9
	6H	0.1	0.9	0.5	1.2	1.6	1.2	2.0	1.6	2.3	2.7
	8H	0.0	0.8	0.5	1.1	1.6	1.1	1.9	1.6	2.3	2.7
	12H	0.0	0.7	0.4	1.1	1.5	1.1	1.8	1.5	2.2	2.6
4H	2H	0.2	1.0	0.6	1.4	1.7	1.2	2.1	1.6	2.4	2.8
	3H	0.1	0.8	0.5	1.2	1.6	1.2	1.9	1.6	2.3	2.7
	4H	0.0	0.6	0.5	1.1	1.5	1.1	1.7	1.5	2.1	2.6
	6H	0.0	0.4	0.4	0.9	1.4	1.0	1.5	1.5	2.0	2.5
	8H	0.0	0.3	0.3	0.8	1.3	0.9	1.4	1.4	1.9	2.3
	12H	0.0	0.2	0.3	0.7	1.2	0.9	1.3	1.4	1.8	2.3
8H	4H	0.0	0.3	0.3	0.8	1.3	0.9	1.4	1.4	1.9	2.3
	6H	0.0	0.1	0.3	0.6	1.1	0.8	1.2	1.3	1.7	2.2
	8H	0.0	0.0	0.2	0.6	1.1	0.8	1.1	1.3	1.6	2.1
	12H	0.0	0.0	0.2	0.4	1.0	0.7	1.0	1.2	1.5	2.1
12H	4H	0.0	0.2	0.3	0.7	1.2	0.9	1.3	1.4	1.8	2.3
	6H	0.0	0.0	0.2	0.5	1.1	0.8	1.1	1.3	1.6	2.1
	8H	0.0	0.0	0.2	0.4	1.0	0.7	1.0	1.2	1.5	2.1

(END OF REPORT)