

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: P1590630

Luminaire Tested: HCDLS510CSD6TRMW-ME-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590630
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-ME-4000K
Description: 6" Selectable Round Trim+Matte White (paintable) 700 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

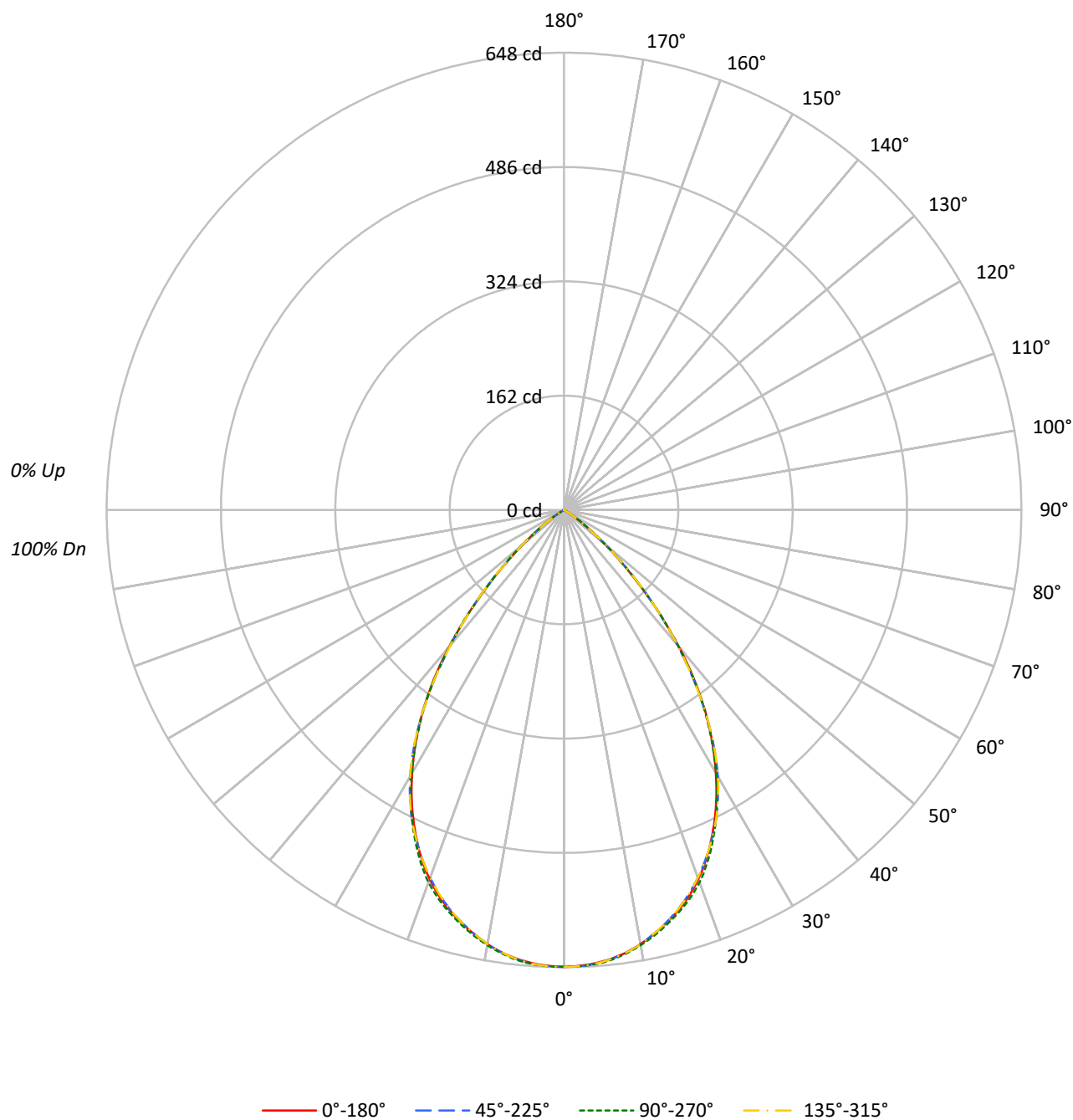
Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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°	35496	35496	35496	35496
5°	35323	35412	35323	35412
10°	34774	34864	34774	34864
15°	33831	33984	33831	33984
20°	32471	32757	32471	32757
25°	30244	30474	30244	30474
30°	27245	27295	27245	27295
35°	23363	23242	23363	23242
40°	18105	18098	18105	18098
45°	12001	12032	12001	12032
50°	6507	6661	6507	6661
55°	2657	2638	2657	2638
60°	296	252	296	252
65°	39	26	39	26
70°	16	16	16	16
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	7.4
10°-20°	167.5	20.4
20°-30°	229.6	27.9
30°-40°	215.4	26.2
40°-50°	121.2	14.7
50°-60°	27.6	3.4
60°-70°	0.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	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°	457.9	55.6
0°-40°	673.3	81.8
0°-60°	822.1	99.9
0°-90°	822.5	99.9
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	823.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	648	648	648	648	648	
5°	642	644	642	644	642	61
15°	596	599	596	599	596	167
25°	500	504	500	504	500	229
35°	349	347	349	347	349	215
45°	155	155	155	155	155	120
55°	28	28	28	28	28	28
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5
0.5°	647.2	647.4	647.6	647.6	647.4	647.6	647.6	647.4	647.2	647.4	647.6
1°	647.1	647.2	647.5	647.5	647.3	647.5	647.5	647.2	647.1	647.2	647.5
1.5°	646.7	646.9	647.2	647.3	647.1	647.3	647.2	646.9	646.7	646.9	647.2
2°	646.4	646.5	646.9	647.0	647.0	647.0	646.9	646.5	646.4	646.5	646.9
2.5°	645.9	646.1	646.4	646.6	646.6	646.6	646.4	646.1	645.9	646.1	646.4
3°	645.3	645.5	645.9	646.1	646.3	646.1	645.9	645.5	645.3	645.5	645.9
3.5°	644.6	644.8	645.2	645.5	645.7	645.5	645.2	644.8	644.6	644.8	645.2
4°	643.8	644.0	644.4	644.8	645.1	644.8	644.4	644.0	643.8	644.0	644.4
4.5°	642.9	643.1	643.5	643.9	644.4	643.9	643.5	643.1	642.9	643.1	643.5
5°	641.9	642.1	642.5	642.9	643.5	642.9	642.5	642.1	641.9	642.1	642.5
5.5°	640.8	641.0	641.3	641.7	642.4	641.7	641.3	641.0	640.8	641.0	641.3
6°	639.5	639.8	640.0	640.3	641.1	640.3	640.0	639.8	639.5	639.8	640.0
6.5°	638.1	638.5	638.5	638.9	639.7	638.9	638.5	638.5	638.1	638.5	638.5
7°	636.7	637.0	636.9	637.2	638.1	637.2	636.9	637.0	636.7	637.0	636.9
7.5°	635.0	635.4	635.2	635.5	636.3	635.5	635.2	635.4	635.0	635.4	635.2
8°	633.2	633.6	633.4	633.6	634.6	633.6	633.4	633.6	633.2	633.6	633.4
8.5°	631.3	631.8	631.4	631.6	632.7	631.6	631.4	631.8	631.3	631.8	631.4
9°	629.2	629.7	629.3	629.6	630.6	629.6	629.3	629.7	629.2	629.7	629.3
9.5°	627.0	627.5	627.0	627.4	628.6	627.4	627.0	627.5	627.0	627.5	627.0
10°	624.7	625.2	624.6	625.2	626.3	625.2	624.6	625.2	624.7	625.2	624.6
10.5°	622.2	622.6	622.0	622.9	624.0	622.9	622.0	622.6	622.2	622.6	622.0
11°	619.7	620.0	619.4	620.5	621.6	620.5	619.4	620.0	619.7	620.0	619.4
11.5°	617.0	617.3	616.6	618.0	619.0	618.0	616.6	617.3	617.0	617.3	616.6
12°	614.3	614.4	613.8	615.4	616.4	615.4	613.8	614.4	614.3	614.4	613.8
12.5°	611.3	611.4	610.9	612.7	613.6	612.7	610.9	611.4	611.3	611.4	610.9
13°	608.5	608.3	607.8	610.0	610.9	610.0	607.8	608.3	608.5	608.3	607.8
13.5°	605.5	605.1	604.8	607.2	608.0	607.2	604.8	605.1	605.5	605.1	604.8
14°	602.4	601.9	601.6	604.2	605.0	604.2	601.6	601.9	602.4	601.9	601.6
14.5°	599.4	598.5	598.3	601.0	602.0	601.0	598.3	598.5	599.4	598.5	598.3
15°	596.1	595.1	595.0	597.8	598.8	597.8	595.0	595.1	596.1	595.1	595.0
15.5°	592.7	591.6	591.6	594.6	595.6	594.6	591.6	591.6	592.7	591.6	591.6
16°	589.3	588.1	588.1	591.0	592.3	591.0	588.1	588.1	589.3	588.1	588.1
16.5°	585.9	584.2	584.3	587.3	589.0	587.3	584.3	584.2	585.9	584.2	584.3
17°	582.3	580.5	580.4	583.5	585.5	583.5	580.4	580.5	582.3	580.5	580.4
17.5°	578.4	576.6	576.4	579.5	581.9	579.5	576.4	576.6	578.4	576.6	576.4
18°	574.4	572.6	572.3	575.5	578.1	575.5	572.3	572.6	574.4	572.6	572.3
18.5°	570.2	568.4	568.1	571.3	574.2	571.3	568.1	568.4	570.2	568.4	568.1
19°	565.9	564.1	563.6	567.1	570.2	567.1	563.6	564.1	565.9	564.1	563.6
19.5°	561.3	559.6	559.1	562.8	566.0	562.8	559.1	559.6	561.3	559.6	559.1
20°	556.6	555.0	554.5	558.2	561.5	558.2	554.5	555.0	556.6	555.0	554.5
20.5°	551.7	550.3	549.7	553.5	556.6	553.5	549.7	550.3	551.7	550.3	549.7
21°	546.7	545.3	544.7	548.5	551.6	548.5	544.7	545.3	546.7	545.3	544.7
21.5°	541.5	540.2	539.6	543.4	546.2	543.4	539.6	540.2	541.5	540.2	539.6
22°	536.1	535.0	534.5	538.0	540.7	538.0	534.5	535.0	536.1	535.0	534.5

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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°	530.4	529.5	529.4	532.6	534.8	532.6	529.4	529.5	530.4	529.5	529.4
23°	524.6	524.1	524.1	527.1	529.0	527.1	524.1	524.1	524.6	524.1	524.1
23.5°	518.7	518.4	518.8	521.3	522.9	521.3	518.8	518.4	518.7	518.4	518.8
24°	512.5	512.8	513.4	515.6	516.7	515.6	513.4	512.8	512.5	512.8	513.4
24.5°	506.3	507.0	507.9	509.7	510.3	509.7	507.9	507.0	506.3	507.0	507.9
25°	500.0	501.1	502.2	503.6	503.8	503.6	502.2	501.1	500.0	501.1	502.2
25.5°	493.6	495.1	496.4	497.4	497.0	497.4	496.4	495.1	493.6	495.1	496.4
26°	487.1	488.9	490.5	491.0	490.2	491.0	490.5	488.9	487.1	488.9	490.5
26.5°	480.4	482.7	484.3	484.6	483.2	484.6	484.3	482.7	480.4	482.7	484.3
27°	473.7	476.2	478.0	478.0	476.1	478.0	478.0	476.2	473.7	476.2	478.0
27.5°	466.9	469.6	471.5	471.3	469.0	471.3	471.5	469.6	466.9	469.6	471.5
28°	459.9	462.8	464.8	464.2	461.6	464.2	464.8	462.8	459.9	462.8	464.8
28.5°	452.7	455.9	457.9	457.1	454.2	457.1	457.9	455.9	452.7	455.9	457.9
29°	445.4	448.8	450.8	449.8	446.8	449.8	450.8	448.8	445.4	448.8	450.8
29.5°	437.9	441.4	443.5	442.3	439.2	442.3	443.5	441.4	437.9	441.4	443.5
30°	430.4	433.9	435.9	434.6	431.2	434.6	435.9	433.9	430.4	433.9	435.9
30.5°	422.8	426.2	428.1	426.6	423.3	426.6	428.1	426.2	422.8	426.2	428.1
31°	415.0	418.4	420.0	418.4	415.1	418.4	420.0	418.4	415.0	418.4	420.0
31.5°	407.1	410.4	411.8	410.2	406.9	410.2	411.8	410.4	407.1	410.4	411.8
32°	399.1	402.0	403.2	401.8	398.6	401.8	403.2	402.0	399.1	402.0	403.2
32.5°	391.1	393.8	394.6	393.3	390.2	393.3	394.6	393.8	391.1	393.8	394.6
33°	382.9	385.1	385.7	384.6	381.8	384.6	385.7	385.1	382.9	385.1	385.7
33.5°	374.9	376.5	376.8	375.7	373.2	375.7	376.8	376.5	374.9	376.5	376.8
34°	366.3	367.6	367.4	366.8	364.7	366.8	367.4	367.6	366.3	367.6	367.4
34.5°	357.8	358.7	358.2	357.6	356.1	357.6	358.2	358.7	357.8	358.7	358.2
35°	349.1	349.3	348.6	348.4	347.3	348.4	348.6	349.3	349.1	349.3	348.6
35.5°	340.3	340.0	339.0	339.1	338.6	339.1	339.0	340.0	340.3	340.0	339.0
36°	331.1	330.6	329.1	329.7	329.7	329.7	329.1	330.6	331.1	330.6	329.1
36.5°	322.0	321.1	319.4	320.2	320.7	320.2	319.4	321.1	322.0	321.1	319.4
37°	312.6	311.4	309.4	310.8	311.4	310.8	309.4	311.4	312.6	311.4	309.4
37.5°	303.0	301.7	299.4	301.2	301.9	301.2	299.4	301.7	303.0	301.7	299.4
38°	293.2	291.9	289.6	291.5	291.8	291.5	289.6	291.9	293.2	291.9	289.6
38.5°	283.5	282.1	279.8	281.7	282.0	281.7	279.8	282.1	283.5	282.1	279.8
39°	273.5	271.8	270.0	271.8	272.2	271.8	270.0	271.8	273.5	271.8	270.0
39.5°	263.2	261.8	260.3	262.0	262.5	262.0	260.3	261.8	263.2	261.8	260.3
40°	253.0	252.1	250.6	252.1	252.9	252.1	250.6	252.1	253.0	252.1	250.6
40.5°	242.9	242.3	241.0	242.2	243.1	242.2	241.0	242.3	242.9	242.3	241.0
41°	232.6	232.6	231.3	232.2	233.1	232.2	231.3	232.6	232.6	232.6	231.3
41.5°	222.5	222.8	221.5	222.4	223.1	222.4	221.5	222.8	222.5	222.8	221.5
42°	212.4	212.8	211.9	212.7	213.1	212.7	211.9	212.8	212.4	212.8	211.9
42.5°	202.5	203.0	202.5	203.3	203.1	203.3	202.5	203.0	202.5	203.0	202.5
43°	192.7	193.2	193.3	193.8	193.2	193.8	193.3	193.2	192.7	193.2	193.3
43.5°	183.0	183.6	184.0	184.4	183.3	184.4	184.0	183.6	183.0	183.6	184.0
44°	173.5	173.9	174.8	175.2	173.7	175.2	174.8	173.9	173.5	173.9	174.8
44.5°	164.0	164.7	165.9	166.3	164.4	166.3	165.9	164.7	164.0	164.7	165.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	154.8	155.6	157.1	157.2	155.2	157.2	157.1	155.6	154.8	155.6	157.1
45.5°	145.7	146.7	148.4	148.3	146.3	148.3	148.4	146.7	145.7	146.7	148.4
46°	136.7	138.0	139.7	139.6	137.6	139.6	139.7	138.0	136.7	138.0	139.7
46.5°	128.1	129.5	131.2	131.2	129.2	131.2	131.2	129.5	128.1	129.5	131.2
47°	119.7	121.3	122.9	122.9	121.0	122.9	122.9	121.3	119.7	121.3	122.9
47.5°	111.6	113.1	114.6	114.9	113.1	114.9	114.6	113.1	111.6	113.1	114.6
48°	103.7	105.3	106.7	106.9	105.5	106.9	106.7	105.3	103.7	105.3	106.7
48.5°	96.3	97.7	98.8	99.4	98.1	99.4	98.8	97.7	96.3	97.7	98.8
49°	89.2	90.4	91.3	92.0	91.0	92.0	91.3	90.4	89.2	90.4	91.3
49.5°	82.6	83.6	84.3	85.0	84.4	85.0	84.3	83.6	82.6	83.6	84.3
50°	76.3	77.0	77.5	78.4	78.1	78.4	77.5	77.0	76.3	77.0	77.5
50.5°	70.0	70.5	70.9	71.9	72.0	71.9	70.9	70.5	70.0	70.5	70.9
51°	63.9	64.2	64.4	65.6	65.9	65.6	64.4	64.2	63.9	64.2	64.4
51.5°	58.6	58.2	58.2	59.6	60.1	59.6	58.2	58.2	58.6	58.2	58.2
52°	53.3	52.8	52.4	53.9	54.4	53.9	52.4	52.8	53.3	52.8	52.4
52.5°	48.4	47.7	47.1	48.7	49.1	48.7	47.1	47.7	48.4	47.7	47.1
53°	43.8	43.0	42.3	43.9	44.3	43.9	42.3	43.0	43.8	43.0	42.3
53.5°	39.5	38.6	37.9	39.3	39.6	39.3	37.9	38.6	39.5	38.6	37.9
54°	35.3	34.6	33.8	35.1	35.3	35.1	33.8	34.6	35.3	34.6	33.8
54.5°	31.5	30.7	30.1	31.1	31.3	31.1	30.1	30.7	31.5	30.7	30.1
55°	27.8	27.2	26.7	27.5	27.6	27.5	26.7	27.2	27.8	27.2	26.7
55.5°	24.4	24.0	23.6	24.0	24.1	24.0	23.6	24.0	24.4	24.0	23.6
56°	21.4	21.1	20.6	21.0	21.0	21.0	20.6	21.1	21.4	21.1	20.6
56.5°	18.5	18.4	17.9	18.1	18.1	18.1	17.9	18.4	18.5	18.4	17.9
57°	15.9	15.7	15.2	15.3	15.4	15.3	15.2	15.7	15.9	15.7	15.2
57.5°	13.2	13.2	12.6	12.6	12.8	12.6	12.6	13.2	13.2	13.2	12.6
58°	10.6	10.6	10.2	10.1	10.1	10.1	10.2	10.6	10.6	10.6	10.2
58.5°	8.2	8.3	7.7	7.7	7.7	7.7	7.7	8.3	8.2	8.3	7.7
59°	5.8	5.9	5.3	5.3	5.3	5.3	5.3	5.9	5.8	5.9	5.3
59.5°	4.0	4.0	3.3	3.4	3.6	3.4	3.3	4.0	4.0	4.0	3.3
60°	2.7	2.7	2.2	2.0	2.3	2.0	2.2	2.7	2.7	2.7	2.2
60.5°	1.7	1.9	1.5	1.4	1.8	1.4	1.5	1.9	1.7	1.9	1.5
61°	1.4	1.5	1.2	1.1	1.5	1.1	1.2	1.5	1.4	1.5	1.2
61.5°	1.1	1.2	0.9	0.9	1.1	0.9	0.9	1.2	1.1	1.2	0.9
62°	0.9	0.9	0.7	0.6	0.8	0.6	0.7	0.9	0.9	0.9	0.7
62.5°	0.6	0.7	0.5	0.5	0.5	0.5	0.5	0.7	0.6	0.7	0.5
63°	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5
63.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
64°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
64.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
65°	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
65.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
66°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
66.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-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	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
68°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
68.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
72.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
73°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-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: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-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°	0.0	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°	0.1	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: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

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

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590630
CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	647.5	647.5	647.5	647.5	647.5	647.5
0.5°	647.6	647.4	647.6	647.6	647.4	647.2
1°	647.5	647.3	647.5	647.5	647.2	647.1
1.5°	647.3	647.1	647.3	647.2	646.9	646.7
2°	647.0	647.0	647.0	646.9	646.5	646.4
2.5°	646.6	646.6	646.6	646.4	646.1	645.9
3°	646.1	646.3	646.1	645.9	645.5	645.3
3.5°	645.5	645.7	645.5	645.2	644.8	644.6
4°	644.8	645.1	644.8	644.4	644.0	643.8
4.5°	643.9	644.4	643.9	643.5	643.1	642.9
5°	642.9	643.5	642.9	642.5	642.1	641.9
5.5°	641.7	642.4	641.7	641.3	641.0	640.8
6°	640.3	641.1	640.3	640.0	639.8	639.5
6.5°	638.9	639.7	638.9	638.5	638.5	638.1
7°	637.2	638.1	637.2	636.9	637.0	636.7
7.5°	635.5	636.3	635.5	635.2	635.4	635.0
8°	633.6	634.6	633.6	633.4	633.6	633.2
8.5°	631.6	632.7	631.6	631.4	631.8	631.3
9°	629.6	630.6	629.6	629.3	629.7	629.2
9.5°	627.4	628.6	627.4	627.0	627.5	627.0
10°	625.2	626.3	625.2	624.6	625.2	624.7
10.5°	622.9	624.0	622.9	622.0	622.6	622.2
11°	620.5	621.6	620.5	619.4	620.0	619.7
11.5°	618.0	619.0	618.0	616.6	617.3	617.0
12°	615.4	616.4	615.4	613.8	614.4	614.3
12.5°	612.7	613.6	612.7	610.9	611.4	611.3
13°	610.0	610.9	610.0	607.8	608.3	608.5
13.5°	607.2	608.0	607.2	604.8	605.1	605.5
14°	604.2	605.0	604.2	601.6	601.9	602.4
14.5°	601.0	602.0	601.0	598.3	598.5	599.4
15°	597.8	598.8	597.8	595.0	595.1	596.1
15.5°	594.6	595.6	594.6	591.6	591.6	592.7
16°	591.0	592.3	591.0	588.1	588.1	589.3
16.5°	587.3	589.0	587.3	584.3	584.2	585.9
17°	583.5	585.5	583.5	580.4	580.5	582.3
17.5°	579.5	581.9	579.5	576.4	576.6	578.4
18°	575.5	578.1	575.5	572.3	572.6	574.4
18.5°	571.3	574.2	571.3	568.1	568.4	570.2
19°	567.1	570.2	567.1	563.6	564.1	565.9
19.5°	562.8	566.0	562.8	559.1	559.6	561.3
20°	558.2	561.5	558.2	554.5	555.0	556.6
20.5°	553.5	556.6	553.5	549.7	550.3	551.7
21°	548.5	551.6	548.5	544.7	545.3	546.7
21.5°	543.4	546.2	543.4	539.6	540.2	541.5
22°	538.0	540.7	538.0	534.5	535.0	536.1

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	532.6	534.8	532.6	529.4	529.5	530.4
23°	527.1	529.0	527.1	524.1	524.1	524.6
23.5°	521.3	522.9	521.3	518.8	518.4	518.7
24°	515.6	516.7	515.6	513.4	512.8	512.5
24.5°	509.7	510.3	509.7	507.9	507.0	506.3
25°	503.6	503.8	503.6	502.2	501.1	500.0
25.5°	497.4	497.0	497.4	496.4	495.1	493.6
26°	491.0	490.2	491.0	490.5	488.9	487.1
26.5°	484.6	483.2	484.6	484.3	482.7	480.4
27°	478.0	476.1	478.0	478.0	476.2	473.7
27.5°	471.3	469.0	471.3	471.5	469.6	466.9
28°	464.2	461.6	464.2	464.8	462.8	459.9
28.5°	457.1	454.2	457.1	457.9	455.9	452.7
29°	449.8	446.8	449.8	450.8	448.8	445.4
29.5°	442.3	439.2	442.3	443.5	441.4	437.9
30°	434.6	431.2	434.6	435.9	433.9	430.4
30.5°	426.6	423.3	426.6	428.1	426.2	422.8
31°	418.4	415.1	418.4	420.0	418.4	415.0
31.5°	410.2	406.9	410.2	411.8	410.4	407.1
32°	401.8	398.6	401.8	403.2	402.0	399.1
32.5°	393.3	390.2	393.3	394.6	393.8	391.1
33°	384.6	381.8	384.6	385.7	385.1	382.9
33.5°	375.7	373.2	375.7	376.8	376.5	374.9
34°	366.8	364.7	366.8	367.4	367.6	366.3
34.5°	357.6	356.1	357.6	358.2	358.7	357.8
35°	348.4	347.3	348.4	348.6	349.3	349.1
35.5°	339.1	338.6	339.1	339.0	340.0	340.3
36°	329.7	329.7	329.7	329.1	330.6	331.1
36.5°	320.2	320.7	320.2	319.4	321.1	322.0
37°	310.8	311.4	310.8	309.4	311.4	312.6
37.5°	301.2	301.9	301.2	299.4	301.7	303.0
38°	291.5	291.8	291.5	289.6	291.9	293.2
38.5°	281.7	282.0	281.7	279.8	282.1	283.5
39°	271.8	272.2	271.8	270.0	271.8	273.5
39.5°	262.0	262.5	262.0	260.3	261.8	263.2
40°	252.1	252.9	252.1	250.6	252.1	253.0
40.5°	242.2	243.1	242.2	241.0	242.3	242.9
41°	232.2	233.1	232.2	231.3	232.6	232.6
41.5°	222.4	223.1	222.4	221.5	222.8	222.5
42°	212.7	213.1	212.7	211.9	212.8	212.4
42.5°	203.3	203.1	203.3	202.5	203.0	202.5
43°	193.8	193.2	193.8	193.3	193.2	192.7
43.5°	184.4	183.3	184.4	184.0	183.6	183.0
44°	175.2	173.7	175.2	174.8	173.9	173.5
44.5°	166.3	164.4	166.3	165.9	164.7	164.0

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	157.2	155.2	157.2	157.1	155.6	154.8
45.5°	148.3	146.3	148.3	148.4	146.7	145.7
46°	139.6	137.6	139.6	139.7	138.0	136.7
46.5°	131.2	129.2	131.2	131.2	129.5	128.1
47°	122.9	121.0	122.9	122.9	121.3	119.7
47.5°	114.9	113.1	114.9	114.6	113.1	111.6
48°	106.9	105.5	106.9	106.7	105.3	103.7
48.5°	99.4	98.1	99.4	98.8	97.7	96.3
49°	92.0	91.0	92.0	91.3	90.4	89.2
49.5°	85.0	84.4	85.0	84.3	83.6	82.6
50°	78.4	78.1	78.4	77.5	77.0	76.3
50.5°	71.9	72.0	71.9	70.9	70.5	70.0
51°	65.6	65.9	65.6	64.4	64.2	63.9
51.5°	59.6	60.1	59.6	58.2	58.2	58.6
52°	53.9	54.4	53.9	52.4	52.8	53.3
52.5°	48.7	49.1	48.7	47.1	47.7	48.4
53°	43.9	44.3	43.9	42.3	43.0	43.8
53.5°	39.3	39.6	39.3	37.9	38.6	39.5
54°	35.1	35.3	35.1	33.8	34.6	35.3
54.5°	31.1	31.3	31.1	30.1	30.7	31.5
55°	27.5	27.6	27.5	26.7	27.2	27.8
55.5°	24.0	24.1	24.0	23.6	24.0	24.4
56°	21.0	21.0	21.0	20.6	21.1	21.4
56.5°	18.1	18.1	18.1	17.9	18.4	18.5
57°	15.3	15.4	15.3	15.2	15.7	15.9
57.5°	12.6	12.8	12.6	12.6	13.2	13.2
58°	10.1	10.1	10.1	10.2	10.6	10.6
58.5°	7.7	7.7	7.7	7.7	8.3	8.2
59°	5.3	5.3	5.3	5.3	5.9	5.8
59.5°	3.4	3.6	3.4	3.3	4.0	4.0
60°	2.0	2.3	2.0	2.2	2.7	2.7
60.5°	1.4	1.8	1.4	1.5	1.9	1.7
61°	1.1	1.5	1.1	1.2	1.5	1.4
61.5°	0.9	1.1	0.9	0.9	1.2	1.1
62°	0.6	0.8	0.6	0.7	0.9	0.9
62.5°	0.5	0.5	0.5	0.5	0.7	0.6
63°	0.4	0.4	0.4	0.5	0.5	0.6
63.5°	0.4	0.4	0.4	0.4	0.5	0.5
64°	0.3	0.3	0.3	0.4	0.4	0.4
64.5°	0.3	0.3	0.3	0.3	0.4	0.4
65°	0.2	0.2	0.2	0.3	0.3	0.3
65.5°	0.2	0.2	0.2	0.2	0.3	0.3
66°	0.2	0.2	0.2	0.2	0.2	0.3
66.5°	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.1	0.2	0.2	0.2	0.2

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-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: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-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°	0.0	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°	0.1	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: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

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

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-4000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590630

CATALOG NUMBER: HCDLS510CSD6TRMW-ME-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	5.3	6.4	5.6	6.7	7.0	4.9	6.1	5.3	6.4	6.7
	3H	5.1	6.1	5.5	6.4	6.8	4.8	5.8	5.2	6.1	6.5
	4H	5.0	5.9	5.4	6.3	6.6	4.7	5.6	5.1	5.9	6.3
	6H	4.9	5.7	5.3	6.1	6.5	4.6	5.4	5.0	5.8	6.2
	8H	4.9	5.6	5.3	6.0	6.4	4.5	5.3	5.0	5.7	6.1
	12H	4.8	5.5	5.2	5.9	6.4	4.5	5.2	4.9	5.6	6.0
4H	2H	5.0	5.9	5.4	6.3	6.6	4.7	5.6	5.1	5.9	6.3
	3H	4.8	5.6	5.2	6.0	6.4	4.5	5.2	4.9	5.6	6.1
	4H	4.7	5.4	5.2	5.8	6.2	4.4	5.0	4.8	5.5	5.9
	6H	4.6	5.2	5.1	5.6	6.1	4.3	4.9	4.8	5.3	5.8
	8H	4.5	5.1	5.0	5.5	6.0	4.2	4.7	4.7	5.2	5.7
	12H	4.5	4.9	5.0	5.4	5.9	4.2	4.6	4.7	5.1	5.6
8H	4H	4.5	5.1	5.0	5.5	6.0	4.2	4.7	4.7	5.2	5.7
	6H	4.4	4.8	4.9	5.3	5.8	4.1	4.5	4.6	5.0	5.5
	8H	4.3	4.7	4.9	5.2	5.7	4.0	4.4	4.6	4.9	5.4
	12H	4.3	4.6	4.8	5.1	5.7	4.0	4.3	4.5	4.8	5.4
12H	4H	4.5	4.9	5.0	5.4	5.9	4.2	4.6	4.7	5.1	5.6
	6H	4.4	4.7	4.9	5.2	5.7	4.0	4.4	4.6	4.9	5.4
	8H	4.3	4.6	4.8	5.1	5.7	4.0	4.3	4.5	4.8	5.4

(END OF REPORT)