

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: P1590618

Luminaire Tested: HCDLS510CSD6TRMW-HI-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603928B003)
Test Lab: INNOVATION CENTER
Issue Date: 9/4/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HCDLS510CSD6TRMW-HI-3000K
Description: 6" Selectable Round Trim+Matte White (paintable) 1000 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

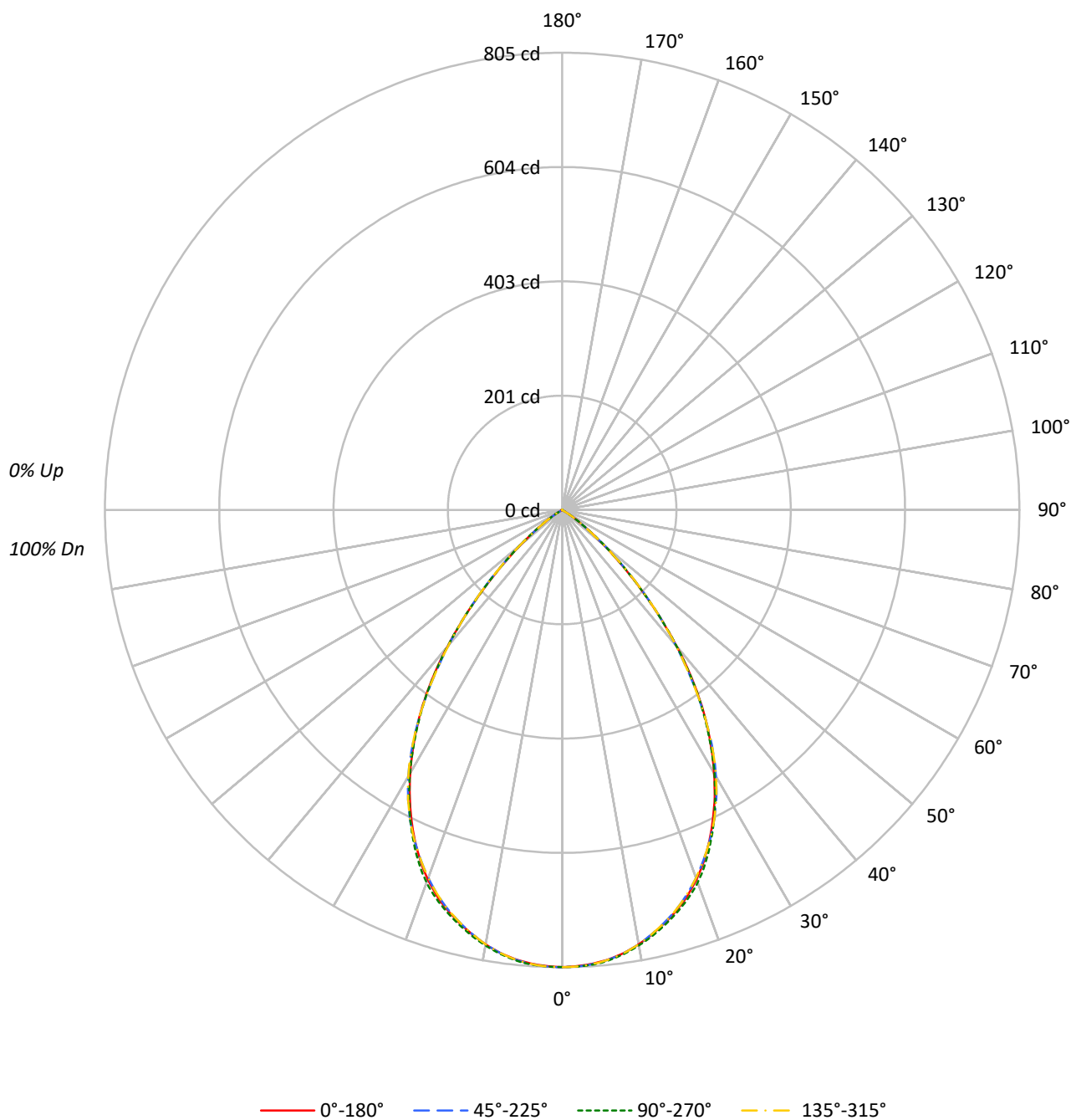
Lumens per Lamp: N/A
Luminaire Lumens: 1023.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.06
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	94	94	92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	86	86	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	79	79	77
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	72	72	70
5	89	79	73	68	87	78	72	68	77	71	67	75	70	67	73	69	66	66	66	64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	61	61	59
7	79	68	62	57	77	68	61	57	66	61	56	65	60	56	64	59	56	56	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	44119	44119	44119	44119
5°	43903	44013	43903	44013
10°	43225	43336	43225	43336
15°	42049	42242	42049	42242
20°	40364	40720	40364	40720
25°	37593	37877	37593	37877
30°	33860	33929	33860	33929
35°	29045	28891	29045	28891
40°	22499	22492	22499	22492
45°	14916	14955	14916	14955
50°	8085	8281	8085	8281
55°	3307	3278	3307	3278
60°	373	307	373	307
65°	52	39	52	39
70°	16	16	16	16
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 15149 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	7.4
10°-20°	208.2	20.4
20°-30°	285.4	27.9
30°-40°	267.7	26.2
40°-50°	150.6	14.7
50°-60°	34.3	3.4
60°-70°	0.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	569.2	55.6
0°-40°	836.9	81.8
0°-60°	1021.8	99.9
0°-90°	1022.4	99.9
90°-120°	0.0	0.0
90°-150°	0.3	0.0
90°-180°	1.0	0.1
0°-180°	1023.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	805	805	805	805	805	
5°	798	800	798	800	798	75
15°	741	744	741	744	741	208
25°	622	626	622	626	622	284
35°	434	432	434	432	434	268
45°	192	193	192	193	192	150
55°	35	34	35	34	35	35
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°	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8
0.5°	804.5	804.6	805.0	804.9	804.7	804.9	805.0	804.6	804.5	804.6	805.0
1°	804.3	804.4	804.8	804.8	804.5	804.8	804.8	804.4	804.3	804.4	804.8
1.5°	803.9	804.1	804.5	804.5	804.4	804.5	804.5	804.1	803.9	804.1	804.5
2°	803.4	803.6	804.1	804.2	804.1	804.2	804.1	803.6	803.4	803.6	804.1
2.5°	802.8	803.0	803.5	803.7	803.7	803.7	803.5	803.0	802.8	803.0	803.5
3°	802.1	802.3	802.8	803.1	803.3	803.1	802.8	802.3	802.1	802.3	802.8
3.5°	801.2	801.4	801.9	802.4	802.6	802.4	801.9	801.4	801.2	801.4	801.9
4°	800.2	800.5	800.9	801.4	801.9	801.4	800.9	800.5	800.2	800.5	800.9
4.5°	799.1	799.3	799.9	800.3	800.9	800.3	799.9	799.3	799.1	799.3	799.9
5°	797.8	798.1	798.6	799.1	799.8	799.1	798.6	798.1	797.8	798.1	798.6
5.5°	796.4	796.7	797.1	797.6	798.4	797.6	797.1	796.7	796.4	796.7	797.1
6°	794.9	795.2	795.4	795.9	796.9	795.9	795.4	795.2	794.9	795.2	795.4
6.5°	793.1	793.6	793.6	794.1	795.1	794.1	793.6	793.6	793.1	793.6	793.6
7°	791.3	791.7	791.6	792.0	793.1	792.0	791.6	791.7	791.3	791.7	791.6
7.5°	789.3	789.8	789.5	789.8	790.9	789.8	789.5	789.8	789.3	789.8	789.5
8°	787.0	787.6	787.2	787.5	788.8	787.5	787.2	787.6	787.0	787.6	787.2
8.5°	784.6	785.3	784.8	785.1	786.4	785.1	784.8	785.3	784.6	785.3	784.8
9°	782.1	782.7	782.1	782.5	783.8	782.5	782.1	782.7	782.1	782.7	782.1
9.5°	779.3	780.0	779.3	779.8	781.3	779.8	779.3	780.0	779.3	780.0	779.3
10°	776.5	777.1	776.3	777.0	778.5	777.0	776.3	777.1	776.5	777.1	776.3
10.5°	773.4	773.9	773.1	774.2	775.6	774.2	773.1	773.9	773.4	773.9	773.1
11°	770.2	770.6	769.9	771.2	772.6	771.2	769.9	770.6	770.2	770.6	769.9
11.5°	766.9	767.2	766.4	768.1	769.4	768.1	766.4	767.2	766.9	767.2	766.4
12°	763.5	763.7	762.9	764.9	766.1	764.9	762.9	763.7	763.5	763.7	762.9
12.5°	759.9	759.9	759.2	761.6	762.7	761.6	759.2	759.9	759.9	759.9	759.2
13°	756.3	756.1	755.5	758.2	759.3	758.2	755.5	756.1	756.3	756.1	755.5
13.5°	752.6	752.1	751.7	754.7	755.8	754.7	751.7	752.1	752.6	752.1	751.7
14°	748.8	748.2	747.7	750.9	752.0	750.9	747.7	748.2	748.8	748.2	747.7
14.5°	745.0	743.9	743.7	747.1	748.2	747.1	743.7	743.9	745.0	743.9	743.7
15°	740.9	739.7	739.5	743.1	744.3	743.1	739.5	739.7	740.9	739.7	739.5
15.5°	736.7	735.4	735.3	739.0	740.3	739.0	735.3	735.4	736.7	735.4	735.3
16°	732.5	731.0	730.9	734.6	736.2	734.6	730.9	731.0	732.5	731.0	730.9
16.5°	728.2	726.2	726.3	730.0	732.0	730.0	726.3	726.2	728.2	726.2	726.3
17°	723.8	721.5	721.4	725.3	727.7	725.3	721.4	721.5	723.8	721.5	721.4
17.5°	719.0	716.7	716.5	720.3	723.3	720.3	716.5	716.7	719.0	716.7	716.5
18°	714.0	711.7	711.4	715.3	718.6	715.3	711.4	711.7	714.0	711.7	711.4
18.5°	708.7	706.4	706.1	710.1	713.7	710.1	706.1	706.4	708.7	706.4	706.1
19°	703.3	701.1	700.6	704.9	708.7	704.9	700.6	701.1	703.3	701.1	700.6
19.5°	697.7	695.6	694.9	699.5	703.6	699.5	694.9	695.6	697.7	695.6	694.9
20°	691.9	689.8	689.2	693.8	698.0	693.8	689.2	689.8	691.9	689.8	689.2
20.5°	685.8	683.9	683.2	687.9	691.8	687.9	683.2	683.9	685.8	683.9	683.2
21°	679.6	677.8	677.1	681.7	685.6	681.7	677.1	677.8	679.6	677.8	677.1
21.5°	673.1	671.4	670.7	675.4	678.9	675.4	670.7	671.4	673.1	671.4	670.7
22°	666.3	665.0	664.4	668.7	672.0	668.7	664.4	665.0	666.3	665.0	664.4

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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°	659.2	658.2	658.0	662.0	664.8	662.0	658.0	658.2	659.2	658.2	658.0
23°	652.0	651.4	651.4	655.1	657.5	655.1	651.4	651.4	652.0	651.4	651.4
23.5°	644.7	644.4	644.8	648.0	650.0	648.0	644.8	644.4	644.7	644.4	644.8
24°	637.0	637.4	638.2	640.9	642.2	640.9	638.2	637.4	637.0	637.4	638.2
24.5°	629.3	630.2	631.3	633.5	634.2	633.5	631.3	630.2	629.3	630.2	631.3
25°	621.5	622.8	624.2	626.0	626.2	626.0	624.2	622.8	621.5	622.8	624.2
25.5°	613.5	615.3	617.0	618.2	617.8	618.2	617.0	615.3	613.5	615.3	617.0
26°	605.4	607.7	609.6	610.3	609.3	610.3	609.6	607.7	605.4	607.7	609.6
26.5°	597.1	599.9	601.9	602.3	600.6	602.3	601.9	599.9	597.1	599.9	601.9
27°	588.7	591.9	594.1	594.1	591.8	594.1	594.1	591.9	588.7	591.9	594.1
27.5°	580.3	583.7	586.1	585.7	582.9	585.7	586.1	583.7	580.3	583.7	586.1
28°	571.7	575.2	577.7	577.0	573.7	577.0	577.7	575.2	571.7	575.2	577.7
28.5°	562.6	566.6	569.1	568.2	564.6	568.2	569.1	566.6	562.6	566.6	569.1
29°	553.6	557.8	560.3	559.1	555.3	559.1	560.3	557.8	553.6	557.8	560.3
29.5°	544.3	548.7	551.2	549.8	545.9	549.8	551.2	548.7	544.3	548.7	551.2
30°	534.9	539.3	541.8	540.1	536.0	540.1	541.8	539.3	534.9	539.3	541.8
30.5°	525.5	529.8	532.0	530.2	526.2	530.2	532.0	529.8	525.5	529.8	532.0
31°	515.8	520.0	522.1	520.1	516.0	520.1	522.1	520.0	515.8	520.0	522.1
31.5°	506.0	510.0	511.8	509.9	505.7	509.9	511.8	510.0	506.0	510.0	511.8
32°	496.1	499.7	501.2	499.4	495.5	499.4	501.2	499.7	496.1	499.7	501.2
32.5°	486.1	489.5	490.4	488.8	485.1	488.8	490.4	489.5	486.1	489.5	490.4
33°	475.9	478.7	479.4	478.0	474.5	478.0	479.4	478.7	475.9	478.7	479.4
33.5°	465.9	467.9	468.3	466.9	463.9	466.9	468.3	467.9	465.9	467.9	468.3
34°	455.2	456.9	456.7	455.9	453.3	455.9	456.7	456.9	455.2	456.9	456.7
34.5°	444.7	445.8	445.2	444.5	442.6	444.5	445.2	445.8	444.7	445.8	445.2
35°	434.0	434.2	433.3	433.1	431.7	433.1	433.3	434.2	434.0	434.2	433.3
35.5°	423.0	422.7	421.3	421.4	420.8	421.4	421.3	422.7	423.0	422.7	421.3
36°	411.5	410.9	409.1	409.8	409.7	409.8	409.1	410.9	411.5	410.9	409.1
36.5°	400.2	399.2	397.0	398.0	398.6	398.0	397.0	399.2	400.2	399.2	397.0
37°	388.5	387.1	384.5	386.3	387.1	386.3	384.5	387.1	388.5	387.1	384.5
37.5°	376.6	375.0	372.2	374.4	375.2	374.4	372.2	375.0	376.6	375.0	372.2
38°	364.4	362.8	360.0	362.3	362.6	362.3	360.0	362.8	364.4	362.8	360.0
38.5°	352.4	350.6	347.7	350.1	350.4	350.1	347.7	350.6	352.4	350.6	347.7
39°	340.0	337.8	335.6	337.9	338.4	337.9	335.6	337.8	340.0	337.8	335.6
39.5°	327.1	325.4	323.6	325.7	326.3	325.7	323.6	325.4	327.1	325.4	323.6
40°	314.4	313.3	311.5	313.3	314.3	313.3	311.5	313.3	314.4	313.3	311.5
40.5°	301.9	301.2	299.6	301.0	302.2	301.0	299.6	301.2	301.9	301.2	299.6
41°	289.1	289.1	287.4	288.6	289.7	288.6	287.4	289.1	289.1	289.1	287.4
41.5°	276.5	276.9	275.3	276.4	277.3	276.4	275.3	276.9	276.5	276.9	275.3
42°	264.0	264.5	263.4	264.3	264.9	264.3	263.4	264.5	264.0	264.5	263.4
42.5°	251.7	252.3	251.7	252.6	252.5	252.6	251.7	252.3	251.7	252.3	251.7
43°	239.5	240.1	240.2	240.9	240.1	240.9	240.2	240.1	239.5	240.1	240.2
43.5°	227.5	228.2	228.7	229.2	227.8	229.2	228.7	228.2	227.5	228.2	228.7
44°	215.7	216.1	217.3	217.8	215.9	217.8	217.3	216.1	215.7	216.1	217.3
44.5°	203.9	204.7	206.2	206.7	204.4	206.7	206.2	204.7	203.9	204.7	206.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	192.4	193.3	195.3	195.4	192.9	195.4	195.3	193.3	192.4	193.3	195.3
45.5°	181.1	182.3	184.5	184.3	181.9	184.3	184.5	182.3	181.1	182.3	184.5
46°	169.9	171.5	173.7	173.6	171.0	173.6	173.7	171.5	169.9	171.5	173.7
46.5°	159.2	161.0	163.1	163.0	160.6	163.0	163.1	161.0	159.2	161.0	163.1
47°	148.7	150.7	152.7	152.8	150.4	152.8	152.7	150.7	148.7	150.7	152.7
47.5°	138.7	140.6	142.5	142.8	140.6	142.8	142.5	140.6	138.7	140.6	142.5
48°	128.9	130.9	132.6	132.9	131.1	132.9	132.6	130.9	128.9	130.9	132.6
48.5°	119.6	121.4	122.8	123.5	122.0	123.5	122.8	121.4	119.6	121.4	122.8
49°	110.9	112.4	113.5	114.4	113.2	114.4	113.5	112.4	110.9	112.4	113.5
49.5°	102.7	103.9	104.7	105.7	104.9	105.7	104.7	103.9	102.7	103.9	104.7
50°	94.8	95.7	96.4	97.5	97.1	97.5	96.4	95.7	94.8	95.7	96.4
50.5°	87.0	87.6	88.2	89.4	89.4	89.4	88.2	87.6	87.0	87.6	88.2
51°	79.4	79.7	80.1	81.5	81.9	81.5	80.1	79.7	79.4	79.7	80.1
51.5°	72.8	72.4	72.3	74.1	74.7	74.1	72.3	72.4	72.8	72.4	72.3
52°	66.2	65.7	65.2	67.0	67.6	67.0	65.2	65.7	66.2	65.7	65.2
52.5°	60.2	59.3	58.6	60.5	61.1	60.5	58.6	59.3	60.2	59.3	58.6
53°	54.5	53.5	52.6	54.5	55.1	54.5	52.6	53.5	54.5	53.5	52.6
53.5°	49.1	48.0	47.1	48.9	49.2	48.9	47.1	48.0	49.1	48.0	47.1
54°	43.9	42.9	42.1	43.6	43.9	43.6	42.1	42.9	43.9	42.9	42.1
54.5°	39.1	38.2	37.4	38.7	38.9	38.7	37.4	38.2	39.1	38.2	37.4
55°	34.6	33.8	33.1	34.1	34.3	34.1	33.1	33.8	34.6	33.8	33.1
55.5°	30.4	29.8	29.3	29.8	29.9	29.8	29.3	29.8	30.4	29.8	29.3
56°	26.6	26.2	25.6	26.1	26.1	26.1	25.6	26.2	26.6	26.2	25.6
56.5°	23.1	22.8	22.2	22.5	22.5	22.5	22.2	22.8	23.1	22.8	22.2
57°	19.7	19.6	18.9	19.0	19.2	19.0	18.9	19.6	19.7	19.6	18.9
57.5°	16.4	16.4	15.7	15.7	15.8	15.7	15.7	16.4	16.4	16.4	15.7
58°	13.1	13.2	12.7	12.6	12.5	12.6	12.7	13.2	13.1	13.2	12.7
58.5°	10.2	10.3	9.6	9.6	9.6	9.6	9.6	10.3	10.2	10.3	9.6
59°	7.2	7.4	6.6	6.6	6.6	6.6	6.6	7.4	7.2	7.4	6.6
59.5°	5.0	5.0	4.2	4.2	4.4	4.2	4.2	5.0	5.0	5.0	4.2
60°	3.4	3.3	2.8	2.5	2.8	2.5	2.8	3.3	3.4	3.3	2.8
60.5°	2.1	2.3	1.9	1.7	2.3	1.7	1.9	2.3	2.1	2.3	1.9
61°	1.8	1.9	1.5	1.4	1.8	1.4	1.5	1.9	1.8	1.9	1.5
61.5°	1.4	1.5	1.1	1.1	1.4	1.1	1.1	1.5	1.4	1.5	1.1
62°	1.1	1.1	0.9	0.8	1.0	0.8	0.9	1.1	1.1	1.1	0.9
62.5°	0.8	0.9	0.7	0.6	0.6	0.6	0.7	0.9	0.8	0.9	0.7
63°	0.7	0.7	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6
63.5°	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5
64°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
64.5°	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4
65°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
65.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
66°	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
66.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
67°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
69°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
69.5°	0.1	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72°	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
73°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

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: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	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°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
145.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
146°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
146.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
148°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
148.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
149°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
149.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.3	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°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
156°	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
156.5°	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
157°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590618
CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	804.8	804.8	804.8	804.8	804.8	804.8
0.5°	804.9	804.7	804.9	805.0	804.6	804.5
1°	804.8	804.5	804.8	804.8	804.4	804.3
1.5°	804.5	804.4	804.5	804.5	804.1	803.9
2°	804.2	804.1	804.2	804.1	803.6	803.4
2.5°	803.7	803.7	803.7	803.5	803.0	802.8
3°	803.1	803.3	803.1	802.8	802.3	802.1
3.5°	802.4	802.6	802.4	801.9	801.4	801.2
4°	801.4	801.9	801.4	800.9	800.5	800.2
4.5°	800.3	800.9	800.3	799.9	799.3	799.1
5°	799.1	799.8	799.1	798.6	798.1	797.8
5.5°	797.6	798.4	797.6	797.1	796.7	796.4
6°	795.9	796.9	795.9	795.4	795.2	794.9
6.5°	794.1	795.1	794.1	793.6	793.6	793.1
7°	792.0	793.1	792.0	791.6	791.7	791.3
7.5°	789.8	790.9	789.8	789.5	789.8	789.3
8°	787.5	788.8	787.5	787.2	787.6	787.0
8.5°	785.1	786.4	785.1	784.8	785.3	784.6
9°	782.5	783.8	782.5	782.1	782.7	782.1
9.5°	779.8	781.3	779.8	779.3	780.0	779.3
10°	777.0	778.5	777.0	776.3	777.1	776.5
10.5°	774.2	775.6	774.2	773.1	773.9	773.4
11°	771.2	772.6	771.2	769.9	770.6	770.2
11.5°	768.1	769.4	768.1	766.4	767.2	766.9
12°	764.9	766.1	764.9	762.9	763.7	763.5
12.5°	761.6	762.7	761.6	759.2	759.9	759.9
13°	758.2	759.3	758.2	755.5	756.1	756.3
13.5°	754.7	755.8	754.7	751.7	752.1	752.6
14°	750.9	752.0	750.9	747.7	748.2	748.8
14.5°	747.1	748.2	747.1	743.7	743.9	745.0
15°	743.1	744.3	743.1	739.5	739.7	740.9
15.5°	739.0	740.3	739.0	735.3	735.4	736.7
16°	734.6	736.2	734.6	730.9	731.0	732.5
16.5°	730.0	732.0	730.0	726.3	726.2	728.2
17°	725.3	727.7	725.3	721.4	721.5	723.8
17.5°	720.3	723.3	720.3	716.5	716.7	719.0
18°	715.3	718.6	715.3	711.4	711.7	714.0
18.5°	710.1	713.7	710.1	706.1	706.4	708.7
19°	704.9	708.7	704.9	700.6	701.1	703.3
19.5°	699.5	703.6	699.5	694.9	695.6	697.7
20°	693.8	698.0	693.8	689.2	689.8	691.9
20.5°	687.9	691.8	687.9	683.2	683.9	685.8
21°	681.7	685.6	681.7	677.1	677.8	679.6
21.5°	675.4	678.9	675.4	670.7	671.4	673.1
22°	668.7	672.0	668.7	664.4	665.0	666.3

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	662.0	664.8	662.0	658.0	658.2	659.2
23°	655.1	657.5	655.1	651.4	651.4	652.0
23.5°	648.0	650.0	648.0	644.8	644.4	644.7
24°	640.9	642.2	640.9	638.2	637.4	637.0
24.5°	633.5	634.2	633.5	631.3	630.2	629.3
25°	626.0	626.2	626.0	624.2	622.8	621.5
25.5°	618.2	617.8	618.2	617.0	615.3	613.5
26°	610.3	609.3	610.3	609.6	607.7	605.4
26.5°	602.3	600.6	602.3	601.9	599.9	597.1
27°	594.1	591.8	594.1	594.1	591.9	588.7
27.5°	585.7	582.9	585.7	586.1	583.7	580.3
28°	577.0	573.7	577.0	577.7	575.2	571.7
28.5°	568.2	564.6	568.2	569.1	566.6	562.6
29°	559.1	555.3	559.1	560.3	557.8	553.6
29.5°	549.8	545.9	549.8	551.2	548.7	544.3
30°	540.1	536.0	540.1	541.8	539.3	534.9
30.5°	530.2	526.2	530.2	532.0	529.8	525.5
31°	520.1	516.0	520.1	522.1	520.0	515.8
31.5°	509.9	505.7	509.9	511.8	510.0	506.0
32°	499.4	495.5	499.4	501.2	499.7	496.1
32.5°	488.8	485.1	488.8	490.4	489.5	486.1
33°	478.0	474.5	478.0	479.4	478.7	475.9
33.5°	466.9	463.9	466.9	468.3	467.9	465.9
34°	455.9	453.3	455.9	456.7	456.9	455.2
34.5°	444.5	442.6	444.5	445.2	445.8	444.7
35°	433.1	431.7	433.1	433.3	434.2	434.0
35.5°	421.4	420.8	421.4	421.3	422.7	423.0
36°	409.8	409.7	409.8	409.1	410.9	411.5
36.5°	398.0	398.6	398.0	397.0	399.2	400.2
37°	386.3	387.1	386.3	384.5	387.1	388.5
37.5°	374.4	375.2	374.4	372.2	375.0	376.6
38°	362.3	362.6	362.3	360.0	362.8	364.4
38.5°	350.1	350.4	350.1	347.7	350.6	352.4
39°	337.9	338.4	337.9	335.6	337.8	340.0
39.5°	325.7	326.3	325.7	323.6	325.4	327.1
40°	313.3	314.3	313.3	311.5	313.3	314.4
40.5°	301.0	302.2	301.0	299.6	301.2	301.9
41°	288.6	289.7	288.6	287.4	289.1	289.1
41.5°	276.4	277.3	276.4	275.3	276.9	276.5
42°	264.3	264.9	264.3	263.4	264.5	264.0
42.5°	252.6	252.5	252.6	251.7	252.3	251.7
43°	240.9	240.1	240.9	240.2	240.1	239.5
43.5°	229.2	227.8	229.2	228.7	228.2	227.5
44°	217.8	215.9	217.8	217.3	216.1	215.7
44.5°	206.7	204.4	206.7	206.2	204.7	203.9

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	195.4	192.9	195.4	195.3	193.3	192.4
45.5°	184.3	181.9	184.3	184.5	182.3	181.1
46°	173.6	171.0	173.6	173.7	171.5	169.9
46.5°	163.0	160.6	163.0	163.1	161.0	159.2
47°	152.8	150.4	152.8	152.7	150.7	148.7
47.5°	142.8	140.6	142.8	142.5	140.6	138.7
48°	132.9	131.1	132.9	132.6	130.9	128.9
48.5°	123.5	122.0	123.5	122.8	121.4	119.6
49°	114.4	113.2	114.4	113.5	112.4	110.9
49.5°	105.7	104.9	105.7	104.7	103.9	102.7
50°	97.5	97.1	97.5	96.4	95.7	94.8
50.5°	89.4	89.4	89.4	88.2	87.6	87.0
51°	81.5	81.9	81.5	80.1	79.7	79.4
51.5°	74.1	74.7	74.1	72.3	72.4	72.8
52°	67.0	67.6	67.0	65.2	65.7	66.2
52.5°	60.5	61.1	60.5	58.6	59.3	60.2
53°	54.5	55.1	54.5	52.6	53.5	54.5
53.5°	48.9	49.2	48.9	47.1	48.0	49.1
54°	43.6	43.9	43.6	42.1	42.9	43.9
54.5°	38.7	38.9	38.7	37.4	38.2	39.1
55°	34.1	34.3	34.1	33.1	33.8	34.6
55.5°	29.8	29.9	29.8	29.3	29.8	30.4
56°	26.1	26.1	26.1	25.6	26.2	26.6
56.5°	22.5	22.5	22.5	22.2	22.8	23.1
57°	19.0	19.2	19.0	18.9	19.6	19.7
57.5°	15.7	15.8	15.7	15.7	16.4	16.4
58°	12.6	12.5	12.6	12.7	13.2	13.1
58.5°	9.6	9.6	9.6	9.6	10.3	10.2
59°	6.6	6.6	6.6	6.6	7.4	7.2
59.5°	4.2	4.4	4.2	4.2	5.0	5.0
60°	2.5	2.8	2.5	2.8	3.3	3.4
60.5°	1.7	2.3	1.7	1.9	2.3	2.1
61°	1.4	1.8	1.4	1.5	1.9	1.8
61.5°	1.1	1.4	1.1	1.1	1.5	1.4
62°	0.8	1.0	0.8	0.9	1.1	1.1
62.5°	0.6	0.6	0.6	0.7	0.9	0.8
63°	0.5	0.5	0.5	0.6	0.7	0.7
63.5°	0.4	0.4	0.4	0.5	0.6	0.6
64°	0.4	0.4	0.4	0.4	0.5	0.5
64.5°	0.3	0.3	0.3	0.4	0.4	0.5
65°	0.3	0.3	0.3	0.3	0.4	0.4
65.5°	0.3	0.3	0.3	0.3	0.3	0.4
66°	0.2	0.2	0.2	0.3	0.3	0.3
66.5°	0.2	0.2	0.2	0.2	0.3	0.3
67°	0.2	0.2	0.2	0.2	0.2	0.3

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

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: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

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°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

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°	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	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	0.3
145.5°	0.3	0.3	0.3	0.3	0.3	0.3
146°	0.3	0.3	0.3	0.3	0.3	0.3
146.5°	0.3	0.3	0.3	0.3	0.3	0.3
147°	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.3	0.3	0.3	0.3
148°	0.3	0.3	0.3	0.3	0.3	0.3
148.5°	0.3	0.3	0.3	0.3	0.3	0.3
149°	0.3	0.3	0.3	0.3	0.3	0.3
149.5°	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.3	0.3	0.3	0.3	0.3	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	0.4	0.4
156°	0.3	0.3	0.3	0.4	0.4	0.4
156.5°	0.4	0.3	0.4	0.4	0.4	0.4
157°	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590618
CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590618

CATALOG NUMBER: HCDLS510CSD6TRMW-HI-3000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	6.0	7.1	6.4	7.4	7.8	5.7	6.8	6.1	7.1	7.5
	3H	5.8	6.8	6.2	7.2	7.5	5.5	6.5	5.9	6.9	7.2
	4H	5.8	6.7	6.2	7.0	7.4	5.5	6.4	5.9	6.7	7.1
	6H	5.7	6.5	6.1	6.9	7.3	5.4	6.2	5.8	6.6	7.0
	8H	5.6	6.4	6.0	6.8	7.2	5.3	6.1	5.7	6.5	6.9
	12H	5.6	6.3	6.0	6.7	7.1	5.2	6.0	5.7	6.4	6.8
4H	2H	5.8	6.7	6.2	7.0	7.4	5.5	6.4	5.9	6.7	7.1
	3H	5.6	6.3	6.0	6.7	7.1	5.3	6.0	5.7	6.4	6.8
	4H	5.5	6.1	5.9	6.5	7.0	5.2	5.8	5.6	6.2	6.7
	6H	5.4	5.9	5.8	6.4	6.8	5.1	5.6	5.5	6.1	6.5
	8H	5.3	5.8	5.8	6.3	6.7	5.0	5.5	5.5	6.0	6.4
	12H	5.2	5.7	5.7	6.2	6.7	4.9	5.4	5.4	5.9	6.3
8H	4H	5.3	5.8	5.8	6.3	6.7	5.0	5.5	5.5	6.0	6.4
	6H	5.2	5.6	5.7	6.1	6.6	4.9	5.3	5.4	5.8	6.3
	8H	5.1	5.5	5.6	6.0	6.5	4.8	5.2	5.3	5.7	6.2
	12H	5.0	5.4	5.6	5.9	6.5	4.7	5.1	5.3	5.6	6.1
12H	4H	5.2	5.7	5.7	6.2	6.7	4.9	5.4	5.4	5.9	6.3
	6H	5.1	5.5	5.6	6.0	6.5	4.8	5.2	5.3	5.6	6.2
	8H	5.0	5.4	5.6	5.9	6.5	4.7	5.1	5.3	5.6	6.1

(END OF REPORT)