Signify Classified - Internal

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1596623

Luminaire Tested: HLB3LSFS5-MED-2700K

Issue Date: 10/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1596623
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (A2600511A001)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	10/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	HALO
Catalog Number:	HLB3LSFS5-MED-2700K
Description:	HLB3 3" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	2700K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

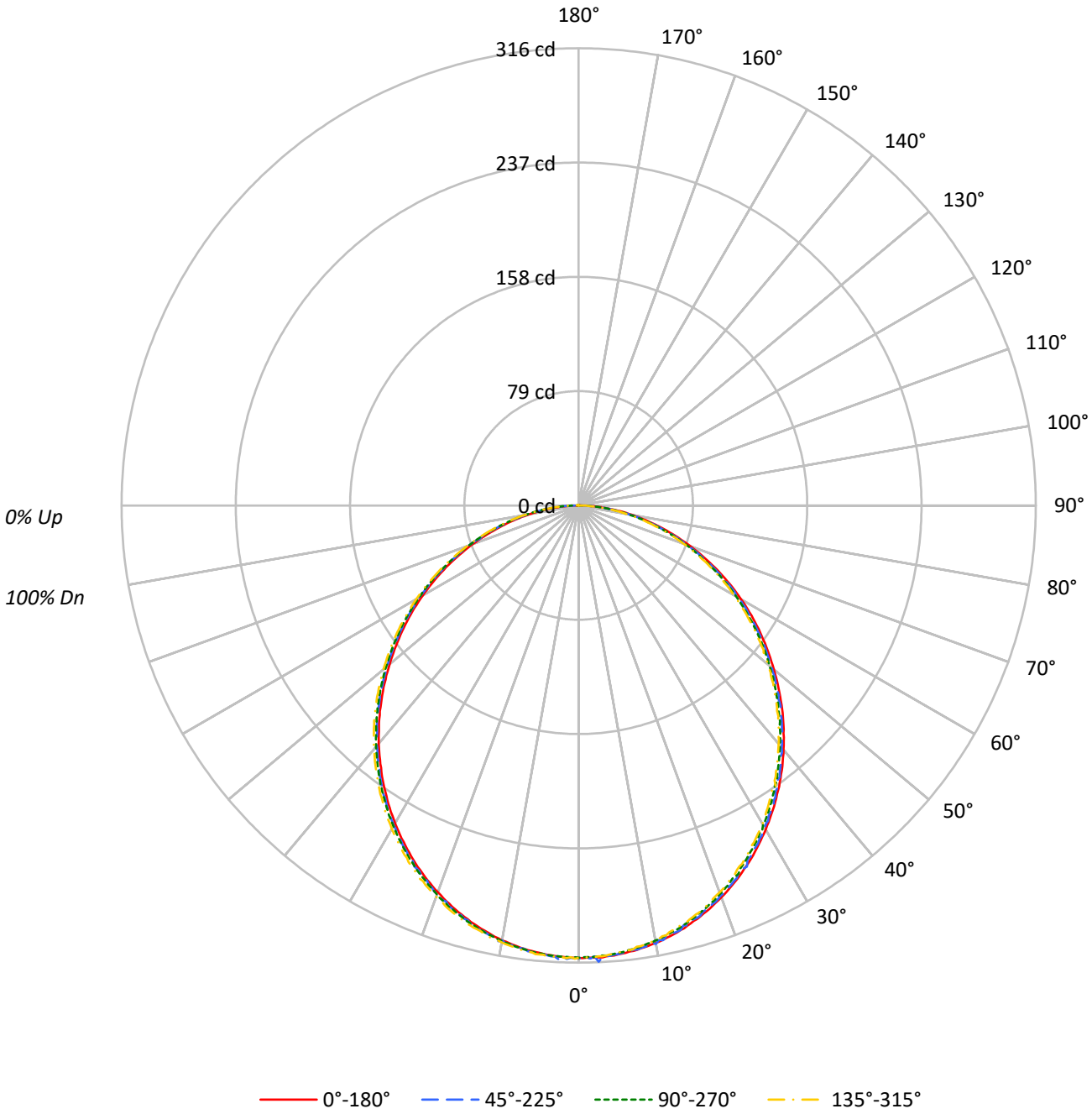
Lumens per Lamp:	N/A
Luminaire Lumens:	855.1 lumens
Efficiency:	N/A
Efficacy:	101.8 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.18' x L: 0.18' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
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			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	99238	99238	99238	99238
5°	99234	98916	98916	99011
10°	98964	98416	98384	98513
15°	98303	97613	97284	97777
20°	97366	96488	96083	96657
25°	96190	95175	94650	95350
30°	94765	93409	93006	93848
35°	93097	91586	91121	92129
40°	91266	89733	89029	90272
45°	89224	87473	86710	88146
50°	86944	85068	84229	85858
55°	84709	82607	81722	83548
60°	82322	79784	78958	80990
65°	79448	76445	75844	78247
70°	75994	72932	71911	74788
75°	72099	68666	67317	71486
80°	67986	63600	61955	67621
85°	64086	55711	54619	63722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 315°
Vertical Angle: 89.5°
Luminance: 123647 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	3.5
10°-20°	83.9	9.8
20°-30°	125.5	14.7
30°-40°	148.6	17.4
40°-50°	151.1	17.7
50°-60°	134.4	15.7
60°-70°	102.2	12.0
70°-80°	60.4	7.1
80°-90°	18.4	2.2
90°-100°	0.2	0.0
100°-110°	0.1	0.0
110°-120°	0.1	0.0
120°-130°	0.1	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°	239.0	27.9
0°-40°	387.6	45.3
0°-60°	673.2	78.7
0°-90°	854.1	99.9
90°-120°	0.4	0.0
90°-150°	0.7	0.1
90°-180°	1.0	0.1
0°-180°	855.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	313	313	313	313	313	
5°	312	310	310	311	312	30
15°	299	297	296	298	299	84
25°	275	272	270	272	275	127
35°	240	236	235	238	240	150
45°	199	195	193	196	199	153
55°	153	149	148	151	153	137
65°	106	102	101	104	106	105
75°	59	56	55	58	59	62
85°	18	15	15	18	18	18
90°	2	0	0	2	2	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7	312.7
0.5°	312.9	311.6	312.9	313.4	312.3	312.7	313.3	313.1	312.5	313.2	313.1
1°	312.7	315.1	312.8	313.5	312.3	312.5	312.5	312.4	312.6	312.1	312.7
1.5°	312.7	311.9	313.3	312.8	312.2	312.6	312.5	312.4	312.5	312.8	313.7
2°	312.8	313.2	311.9	312.8	312.2	312.2	312.4	312.2	312.2	312.5	311.7
2.5°	312.6	312.5	315.7	312.9	311.9	312.1	311.9	312.2	312.2	311.9	314.2
3°	312.8	312.7	312.6	312.7	311.6	311.8	312.0	311.8	311.8	313.6	312.2
3.5°	312.3	311.8	312.0	312.8	311.7	311.6	311.6	311.5	311.5	311.2	312.2
4°	312.1	312.5	312.0	312.3	311.2	311.2	311.1	311.2	311.2	311.1	311.6
4.5°	312.0	312.4	311.5	311.3	310.9	310.9	311.1	310.9	310.9	311.4	311.1
5°	311.5	311.1	311.4	311.7	310.5	310.4	310.3	310.5	310.5	310.9	311.3
5.5°	311.2	311.6	310.8	310.8	310.2	310.3	310.0	310.0	310.1	310.2	310.4
6°	311.0	311.7	310.6	310.5	309.9	309.7	309.2	310.0	309.7	309.9	310.4
6.5°	310.3	307.5	310.6	310.3	309.2	309.3	309.3	309.0	309.3	309.7	310.1
7°	310.2	310.8	309.4	309.9	308.9	308.9	309.1	308.7	308.7	309.2	308.7
7.5°	309.9	311.0	309.7	309.9	308.4	308.3	307.5	308.2	308.3	308.3	308.6
8°	309.0	308.5	308.9	308.6	307.9	307.8	307.5	307.6	307.6	308.3	308.9
8.5°	308.7	309.1	308.4	308.2	307.3	307.2	307.0	306.8	307.0	307.4	307.5
9°	308.2	308.1	308.3	307.6	306.6	306.4	306.4	306.4	306.3	306.3	307.3
9.5°	307.6	307.5	306.6	306.6	306.1	305.9	305.9	305.4	305.7	306.4	307.0
10°	307.1	306.9	307.7	306.6	305.4	305.3	304.7	305.1	305.3	305.0	305.2
10.5°	306.5	306.2	305.4	304.6	304.8	304.4	304.6	304.2	304.3	305.3	306.3
11°	305.7	305.7	306.2	306.4	304.0	303.8	303.2	303.3	303.6	303.4	303.3
11.5°	304.9	304.9	303.9	303.5	303.1	302.9	303.3	302.5	302.7	302.2	303.7
12°	304.4	304.1	303.3	302.9	302.5	302.2	301.6	301.8	301.8	302.4	302.8
12.5°	303.6	303.3	302.8	303.1	301.6	301.4	300.7	301.0	300.9	300.6	301.7
13°	302.8	302.7	302.4	301.5	300.9	300.4	301.3	300.0	300.3	300.6	301.3
13.5°	301.8	301.5	301.7	300.8	300.0	299.5	298.9	299.0	299.2	299.2	300.5
14°	301.2	300.9	299.2	300.1	298.9	298.7	298.0	298.3	298.2	299.4	298.9
14.5°	300.0	300.0	299.8	298.6	298.2	297.6	297.8	297.1	297.4	297.7	298.6
15°	299.2	299.0	298.4	298.4	297.1	296.7	296.3	296.0	296.1	296.5	296.7
15.5°	298.0	298.0	296.9	296.8	296.1	295.6	295.3	295.2	295.2	295.9	296.5
16°	297.4	297.1	296.5	295.7	295.1	294.5	294.0	294.1	294.1	294.9	294.7
16.5°	296.2	295.8	295.8	295.4	293.9	293.3	293.4	293.0	293.0	292.9	294.6
17°	295.1	295.1	293.6	294.0	292.9	292.6	291.9	291.8	292.0	293.5	292.9
17.5°	294.1	293.9	292.8	292.6	292.0	291.2	290.9	290.8	290.8	290.9	292.0
18°	293.1	292.7	292.8	291.8	290.6	289.9	289.8	289.5	289.5	290.8	291.1
18.5°	291.8	292.1	290.7	290.5	289.4	289.3	288.5	288.2	288.4	288.4	288.6
19°	290.6	290.3	289.9	289.2	288.5	287.7	286.9	286.9	287.1	287.9	288.6
19.5°	289.5	289.0	288.7	288.2	287.0	286.3	285.7	285.9	285.7	285.8	287.2
20°	288.3	288.2	286.9	286.9	285.7	285.3	284.7	284.5	284.5	286.4	285.6
20.5°	287.2	286.8	286.3	285.4	284.7	283.9	283.5	283.2	283.3	284.5	284.9
21°	285.9	285.5	284.7	284.0	283.2	282.4	282.3	281.9	282.0	282.5	283.0
21.5°	284.5	284.0	283.5	282.8	282.1	281.3	280.6	280.4	280.5	280.9	282.3
22°	283.1	283.0	282.2	281.4	280.3	279.7	279.1	279.2	279.2	281.0	279.6

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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°	281.8	281.5	280.9	280.0	278.6	278.5	278.0	277.7	277.8	278.5	279.2
23°	280.5	280.1	279.8	278.7	278.2	276.9	276.7	276.1	276.2	276.1	278.4
23.5°	279.1	278.5	277.3	277.0	277.5	275.6	274.7	274.8	274.7	276.3	275.9
24°	277.6	277.3	276.5	275.5	274.6	274.1	273.1	273.3	273.4	273.2	274.9
24.5°	276.0	274.9	275.6	274.2	273.3	272.6	272.3	271.8	271.8	270.7	274.1
25°	274.7	274.9	275.5	272.7	271.8	270.9	270.5	270.0	270.3	273.3	271.1
25.5°	273.3	273.3	271.0	271.2	270.1	269.5	269.0	268.6	268.8	269.2	270.4
26°	271.8	271.1	270.3	269.6	268.5	267.9	267.3	266.9	267.1	267.6	268.8
26.5°	270.2	268.5	269.3	267.9	266.9	266.4	265.7	265.5	265.5	266.4	267.0
27°	268.4	269.9	266.9	266.3	265.6	264.7	263.8	263.7	263.8	264.3	265.6
27.5°	267.0	265.8	265.7	264.8	263.8	263.1	262.5	262.2	262.1	263.1	264.0
28°	265.3	264.4	264.3	262.9	262.4	261.3	260.7	260.3	260.6	261.6	262.0
28.5°	263.6	263.1	262.1	261.4	260.4	259.6	259.1	259.0	258.9	258.3	260.7
29°	261.9	261.8	260.9	259.8	258.4	257.9	257.4	257.1	257.2	258.7	259.1
29.5°	260.3	259.5	258.6	257.5	257.8	256.3	255.6	255.4	255.4	256.1	256.9
30°	258.6	258.6	257.1	256.7	254.9	254.3	254.1	253.6	253.8	254.4	255.7
30.5°	256.8	256.6	255.2	254.1	253.6	252.7	252.1	251.9	251.8	252.6	253.8
31°	255.2	255.7	254.2	252.9	251.7	251.0	250.4	249.9	250.0	251.0	252.1
31.5°	253.3	251.9	251.4	250.8	250.0	249.0	248.4	248.3	248.4	248.9	250.1
32°	251.5	251.6	250.2	249.1	248.1	247.2	246.6	246.5	246.4	247.4	248.6
32.5°	249.7	248.8	248.2	248.0	246.0	245.4	244.6	244.1	244.7	245.0	246.4
33°	248.0	247.5	247.2	244.6	244.7	243.5	242.6	243.1	242.7	243.3	244.5
33.5°	246.0	245.6	244.5	243.8	242.4	241.7	241.5	240.8	240.7	241.7	242.4
34°	244.2	243.5	243.2	241.2	240.5	239.8	239.0	238.8	238.9	239.9	241.2
34.5°	242.1	241.9	240.0	239.8	238.9	237.8	235.8	236.9	237.0	237.6	239.0
35°	240.3	239.8	239.1	237.8	236.4	235.8	237.5	235.0	235.2	236.0	237.0
35.5°	238.6	237.8	236.4	235.6	235.2	234.0	233.4	232.9	233.1	233.4	235.1
36°	236.5	235.8	234.3	233.8	233.4	232.0	231.7	231.1	231.2	233.3	233.1
36.5°	234.7	233.9	233.6	231.8	231.0	230.0	229.2	229.1	229.1	230.0	231.3
37°	232.6	231.9	230.9	229.7	228.9	227.9	227.5	227.2	227.0	227.5	228.8
37.5°	230.7	230.0	228.8	227.7	226.7	226.1	225.3	224.8	225.2	225.7	227.2
38°	228.7	227.2	227.0	225.7	224.9	223.9	223.4	223.1	223.1	224.3	224.7
38.5°	226.6	226.0	224.7	223.6	222.7	221.7	221.2	221.0	221.1	221.9	223.3
39°	224.4	224.4	222.3	221.8	221.0	219.7	219.2	218.9	219.1	219.7	220.8
39.5°	222.5	221.3	221.1	219.3	218.6	217.8	217.1	216.7	216.9	218.1	218.8
40°	220.3	220.1	218.2	217.2	216.6	215.6	215.0	214.7	214.9	216.0	217.0
40.5°	218.3	218.2	216.5	215.3	214.2	213.5	213.1	212.6	212.8	212.9	214.6
41°	216.0	214.8	214.1	213.0	212.5	211.4	210.5	210.3	210.6	212.0	212.8
41.5°	214.1	214.0	212.1	210.9	210.2	209.3	208.5	208.4	208.4	209.3	210.4
42°	211.7	210.5	210.4	208.6	208.1	207.1	206.7	206.2	206.4	207.3	208.2
42.5°	209.8	209.4	208.0	206.7	205.8	205.1	204.2	204.0	204.2	204.9	206.6
43°	207.6	206.2	205.9	204.6	204.0	202.7	202.3	201.9	202.0	203.0	204.3
43.5°	205.3	205.0	203.7	202.1	201.3	200.5	200.7	199.6	199.7	200.7	201.7
44°	203.3	202.1	201.4	200.1	199.3	198.3	197.4	197.3	197.9	198.4	199.7
44.5°	201.1	200.6	199.0	197.7	197.0	196.1	195.7	195.4	195.4	196.5	197.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	198.8	198.3	*197.5*	195.5	194.9	193.9	193.5	192.5	193.2	193.8	195.3
45.5°	196.7	195.8	*195.0*	193.2	192.8	191.7	191.0	191.1	190.9	192.4	193.1
46°	194.3	193.8	*191.8*	190.9	190.4	189.4	188.9	188.6	188.7	189.7	191.1
46.5°	192.1	191.4	*190.8*	188.9	188.2	187.2	186.6	186.4	186.5	187.4	188.6
47°	189.8	189.0	*187.8*	186.4	185.9	184.9	184.3	183.7	184.3	185.2	186.6
47.5°	187.6	187.0	*185.3*	184.3	183.7	182.6	182.4	182.0	181.9	182.8	184.0
48°	185.3	184.8	*183.6*	182.0	181.2	180.3	179.9	179.2	179.6	180.6	182.0
48.5°	183.1	182.2	*181.0*	179.6	179.3	178.0	177.3	177.2	177.5	178.5	179.6
49°	180.8	180.0	*179.3*	177.5	176.9	175.7	175.8	175.0	175.1	176.0	177.2
49.5°	178.5	177.8	*176.2*	175.2	174.6	173.5	173.0	172.3	172.8	173.9	175.0
50°	176.1	175.3	*174.4*	172.9	172.3	171.0	170.5	170.8	170.6	171.4	172.7
50.5°	173.9	173.3	*172.0*	170.6	170.1	168.8	168.6	168.1	168.2	169.6	170.4
51°	171.5	170.8	*169.6*	168.3	167.8	166.5	166.5	165.9	166.0	166.8	168.2
51.5°	169.3	168.5	*167.2*	165.8	165.6	164.3	163.3	163.4	163.6	164.2	166.0
52°	166.9	167.2	*164.8*	164.0	163.1	162.0	162.2	161.9	161.4	163.4	163.7
52.5°	164.6	163.6	*162.7*	162.4	161.0	159.9	159.3	159.0	159.0	159.9	161.1
53°	162.3	161.8	*160.5*	158.1	158.7	157.5	157.0	156.5	156.8	158.2	159.3
53.5°	160.1	159.5	*158.1*	157.3	156.3	155.2	154.5	154.3	154.5	155.4	156.8
54°	157.6	157.2	*156.2*	154.3	153.9	152.8	152.4	152.0	152.2	152.9	154.4
54.5°	155.4	155.1	*153.3*	152.3	151.5	150.6	149.9	149.6	149.9	151.0	152.3
55°	153.1	152.2	*151.2*	150.5	149.3	148.3	147.6	147.3	147.7	148.4	149.9
55.5°	151.0	150.3	*148.9*	147.0	146.7	146.0	145.2	145.0	145.4	146.2	147.4
56°	148.4	147.6	*146.7*	145.1	144.7	143.7	142.8	142.8	143.0	144.0	145.8
56.5°	146.3	145.2	*143.7*	143.2	142.2	141.4	140.5	140.2	140.8	141.4	142.9
57°	143.8	142.8	*142.3*	139.8	139.7	139.0	138.3	138.0	138.5	139.9	140.7
57.5°	141.6	140.5	*139.3*	138.4	137.5	136.7	135.9	135.7	136.1	136.9	138.4
58°	139.2	138.2	*137.1*	135.8	135.0	134.3	133.3	133.5	133.8	134.4	136.4
58.5°	136.9	135.8	*135.2*	133.1	132.8	132.0	131.3	130.7	131.5	132.3	133.4
59°	134.4	133.1	*132.3*	131.2	130.4	129.6	128.8	128.9	129.1	130.0	131.9
59.5°	132.2	130.8	*130.2*	128.7	128.0	127.3	126.4	126.5	126.8	127.6	128.8
60°	129.7	128.7	*128.6*	126.1	125.7	124.9	124.1	123.9	124.4	125.0	127.4
60.5°	127.3	126.1	*124.7*	124.0	123.3	122.5	121.8	121.3	122.1	123.1	124.6
61°	125.0	123.9	*123.2*	121.5	121.0	120.1	119.4	119.3	119.7	120.6	122.0
61.5°	122.6	121.8	*120.5*	118.9	118.6	117.7	117.1	117.0	117.3	118.1	119.9
62°	120.2	118.8	*118.2*	116.8	116.2	115.3	114.7	114.4	115.0	115.8	117.5
62.5°	117.8	116.7	*115.7*	114.4	113.8	113.1	112.3	112.2	112.7	113.5	115.4
63°	115.4	114.4	*113.3*	111.7	111.3	110.6	109.9	110.1	110.3	111.2	112.6
63.5°	113.0	111.8	*110.9*	109.2	109.0	108.2	107.5	107.4	108.0	108.9	110.4
64°	110.5	109.8	*108.5*	107.2	106.6	105.8	105.1	105.3	105.6	106.6	107.9
64.5°	108.2	107.0	*106.1*	104.7	104.2	103.4	102.9	102.5	103.2	104.3	105.7
65°	105.8	104.9	*103.7*	102.0	101.8	101.0	100.4	100.3	101.0	101.8	103.2
65.5°	103.3	102.9	*101.3*	99.9	99.5	98.6	98.0	98.2	98.6	99.6	100.6
66°	101.0	99.9	*98.8*	97.4	97.1	96.4	95.8	95.6	96.2	97.3	98.5
66.5°	98.6	97.9	*96.4*	95.4	94.7	93.8	93.0	93.2	93.8	94.6	96.0
67°	96.2	95.2	*94.0*	92.5	92.3	91.6	91.0	91.3	91.4	92.6	93.9

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	93.7	93.2	*91.7*	90.5	90.3	89.2	88.6	88.4	89.1	90.3	90.9
68°	91.4	90.4	*89.2*	88.1	87.7	86.8	86.2	86.1	86.8	87.5	90.0
68.5°	89.1	88.5	*86.9*	85.5	85.5	84.5	84.0	83.9	84.5	85.8	86.6
69°	86.7	85.9	*84.5*	83.1	83.2	82.1	81.7	81.6	82.2	83.2	84.4
69.5°	84.2	83.5	*82.1*	80.9	80.9	79.8	79.4	79.3	79.9	80.9	82.4
70°	81.9	81.2	*79.7*	78.7	78.6	77.5	77.1	77.0	77.5	78.6	80.5
70.5°	79.5	78.9	*77.6*	76.2	76.2	75.2	74.8	74.7	75.2	76.2	78.5
71°	77.2	76.5	*75.1*	74.0	73.9	72.8	72.5	72.4	72.9	73.9	76.5
71.5°	74.9	74.4	*72.8*	71.6	71.7	70.4	70.2	70.2	70.6	71.8	71.6
72°	72.5	71.9	*70.5*	69.5	69.5	68.2	68.0	67.9	68.3	69.5	71.1
72.5°	70.2	69.7	*68.2*	67.0	67.0	65.9	65.7	65.6	66.2	67.3	68.4
73°	67.9	67.3	*65.9*	64.9	65.3	63.6	63.4	63.4	63.8	65.0	65.8
73.5°	65.6	65.0	*63.6*	62.6	62.5	61.3	61.2	61.3	61.5	62.8	63.7
74°	63.3	62.9	*61.4*	60.3	60.2	59.1	59.0	59.0	59.4	60.7	61.9
74.5°	61.0	60.6	*59.1*	58.1	58.1	56.9	56.7	56.9	57.2	58.3	59.0
75°	58.8	58.5	*57.0*	56.2	56.0	54.6	54.6	54.7	54.9	56.3	57.2
75.5°	56.6	55.8	*54.8*	53.6	54.1	52.4	52.4	52.4	52.8	53.9	54.8
76°	54.3	54.0	*52.5*	51.6	51.4	50.3	50.2	50.4	50.6	51.9	52.9
76.5°	52.0	51.7	*50.3*	49.3	49.3	48.1	48.1	48.4	48.4	49.6	50.7
77°	49.9	49.4	*48.2*	47.4	47.4	45.9	46.0	45.3	46.3	47.6	48.1
77.5°	47.8	47.4	*46.1*	45.0	45.2	43.8	43.7	45.0	44.2	45.5	46.8
78°	45.6	45.2	*44.0*	43.1	43.1	41.7	41.8	41.9	42.1	43.4	44.1
78.5°	43.5	43.0	*41.8*	40.9	41.0	39.7	39.6	39.5	40.0	41.2	42.1
79°	41.4	40.7	*39.7*	38.8	38.8	37.6	37.5	37.5	38.0	39.2	40.3
79.5°	39.2	39.1	*37.7*	36.8	36.8	35.6	35.5	36.0	36.0	37.0	38.1
80°	37.2	36.6	*35.6*	34.3	34.8	33.6	33.5	33.0	33.9	35.3	36.1
80.5°	35.2	34.4	*33.6*	32.4	32.7	31.6	31.5	31.6	31.9	33.0	34.1
81°	33.2	32.4	*31.6*	30.5	30.7	29.7	29.5	29.9	29.9	31.2	32.1
81.5°	31.2	30.5	*29.6*	28.7	28.7	27.7	27.6	27.4	28.0	29.1	30.1
82°	29.2	28.6	*27.7*	26.8	26.7	25.8	25.6	25.7	26.0	27.1	28.1
82.5°	27.2	26.6	*25.7*	24.7	24.8	23.9	23.7	23.8	24.1	25.3	26.2
83°	25.2	24.7	*23.7*	22.8	22.9	22.0	21.8	21.7	22.2	23.4	24.3
83.5°	23.2	22.6	*21.7*	21.0	20.9	20.1	20.0	20.2	20.4	21.4	22.4
84°	21.3	20.8	*19.9*	19.0	19.0	18.3	18.1	18.1	18.6	19.6	20.6
84.5°	19.5	19.0	*18.0*	17.1	17.2	16.5	16.4	16.4	16.8	17.7	18.7
85°	17.6	17.0	*16.2*	15.3	15.3	14.7	14.6	14.6	15.0	15.9	16.8
85.5°	15.7	15.1	*14.4*	13.5	13.5	12.9	12.8	12.8	13.3	14.2	15.3
86°	13.9	13.4	*12.6*	11.8	11.8	11.2	11.1	11.2	11.5	12.4	13.4
86.5°	12.2	11.6	*10.9*	10.1	10.0	9.5	9.4	9.5	9.9	10.7	11.6
87°	10.5	9.9	*9.3*	8.5	8.2	7.7	7.7	7.8	8.2	9.0	9.9
87.5°	8.9	8.3	*7.6*	6.7	6.5	6.0	6.0	6.1	6.5	7.3	8.2
88°	7.3	6.6	*5.9*	4.8	4.7	4.3	4.3	4.4	4.9	5.6	6.5
88.5°	5.6	4.8	*3.8*	2.7	2.9	2.6	2.6	2.8	3.2	4.0	4.7
89°	3.7	2.9	*2.9*	2.1	1.2	1.1	1.2	1.5	1.8	2.3	3.0
89.5°	2.8	2.2	*1.9*	1.4	0.3	0.4	0.5	0.7	1.0	1.3	1.7

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.9	1.5	*1.0*	0.7	0.1	0.1	0.1	0.2	0.4	0.6	0.8
90.5°	1.0	0.8	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
91°	0.1	0.1	*0.1*	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91.5°	0.0	0.0	*0.1*	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.0	0.0	*0.1*	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.0	0.0	*0.1*	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.0	0.0	*0.1*	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.0	0.0	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.0	0.0	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
131.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
132°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
132.5°	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
133°	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
133.5°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
154°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
154.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
155.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
156°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
156.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
157°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-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	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
158.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
159°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
159.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
160°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3
160.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
161°	0.2	0.2	0.2	0.2	0.2	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	0.2	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3
176°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	312.7	312.7	312.7	312.7	312.7	312.7
0.5°	313.0	312.3	312.7	313.3	313.0	312.9
1°	314.4	312.4	312.5	312.3	312.8	312.7
1.5°	311.6	312.2	312.6	313.1	312.8	312.7
2°	313.4	312.2	312.4	312.5	312.7	312.8
2.5°	*311.4*	*312.0*	*312.4*	*312.3*	*312.6*	*312.6*
3°	313.9	311.7	312.1	312.4	312.3	312.8
3.5°	312.1	311.6	312.1	312.1	312.6	312.3
4°	312.3	311.4	311.7	312.4	312.0	312.1
4.5°	312.2	311.0	311.7	311.5	312.1	312.0
5°	311.5	310.8	311.1	311.6	311.5	311.5
5.5°	311.2	310.4	311.0	311.6	311.4	311.2
6°	310.7	310.1	310.3	310.5	310.9	311.0
6.5°	311.0	309.5	310.1	310.5	310.5	310.3
7°	309.4	309.2	309.8	309.8	310.3	310.2
7.5°	310.4	308.6	309.1	309.6	309.5	309.9
8°	308.3	308.1	308.5	309.1	309.3	309.0
8.5°	309.1	307.6	308.2	308.4	308.9	308.7
9°	307.3	306.9	307.6	307.8	308.0	308.2
9.5°	307.4	306.4	307.0	307.4	307.4	307.6
10°	307.3	305.7	306.2	306.7	307.0	307.1
10.5°	305.0	305.0	305.7	305.9	306.4	306.5
11°	305.2	304.3	305.1	305.2	306.0	305.7
11.5°	304.0	303.5	304.2	305.0	304.3	304.9
12°	303.6	302.8	303.4	303.9	304.4	304.4
12.5°	302.8	302.0	302.8	303.1	303.2	303.6
13°	301.7	301.0	301.9	302.0	303.1	302.8
13.5°	301.0	300.2	301.2	301.2	301.4	301.8
14°	300.1	299.2	300.1	300.7	301.0	301.2
14.5°	299.2	298.3	299.2	299.7	300.2	300.0
15°	298.0	297.6	298.3	299.1	303.1	299.2
15.5°	297.3	296.5	297.3	297.7	296.7	298.0
16°	296.1	295.5	296.2	296.9	297.4	297.4
16.5°	295.0	294.4	295.4	295.8	296.4	296.2
17°	294.1	293.3	294.2	294.9	294.8	295.1
17.5°	292.9	292.0	293.2	293.8	294.0	294.1
18°	291.7	291.4	291.9	292.7	293.2	293.1
18.5°	290.6	289.7	290.9	291.4	292.7	291.8
19°	289.5	288.7	289.7	289.8	290.5	290.6
19.5°	288.2	287.6	288.5	289.4	289.2	289.5
20°	286.9	286.2	287.3	287.8	288.4	288.3
20.5°	285.6	284.8	286.0	286.7	286.5	287.2
21°	284.1	283.6	284.7	285.3	285.7	285.9
21.5°	283.0	282.3	283.5	284.1	284.0	284.5
22°	281.6	281.0	282.1	282.8	283.8	283.1

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	280.3	279.4	280.7	281.1	284.4	281.8
23°	278.9	278.3	279.2	280.4	278.1	280.5
23.5°	277.3	276.9	278.0	278.6	279.8	279.1
24°	275.9	275.5	276.4	277.2	278.1	277.6
24.5°	274.4	273.7	275.0	275.9	275.6	276.0
25°	273.2	272.3	273.5	274.4	275.0	274.7
25.5°	271.3	270.9	272.0	273.0	274.1	273.3
26°	269.9	269.2	270.3	270.9	270.9	271.8
26.5°	268.3	267.6	268.8	269.9	271.5	270.2
27°	266.6	266.2	267.3	268.2	269.4	268.4
27.5°	265.1	264.5	265.7	266.4	266.3	267.0
28°	263.5	262.9	264.1	264.9	264.7	265.3
28.5°	261.6	261.1	262.4	263.2	263.1	263.6
29°	260.1	259.5	260.6	261.6	261.9	261.9
29.5°	258.2	257.8	259.1	259.8	260.6	260.3
30°	256.7	256.1	257.4	258.2	258.2	258.6
30.5°	254.8	254.4	255.6	256.4	256.8	256.8
31°	253.1	252.6	253.8	254.7	255.0	255.2
31.5°	251.3	250.9	252.1	253.3	253.6	253.3
32°	249.5	249.0	250.1	251.0	257.9	251.5
32.5°	247.6	247.1	248.6	249.5	246.2	249.7
33°	245.8	245.2	246.5	247.8	248.5	248.0
33.5°	244.1	243.5	244.8	245.5	246.9	246.0
34°	242.1	241.6	242.8	243.6	243.7	244.2
34.5°	240.2	239.6	241.1	242.0	242.4	242.1
35°	238.3	237.8	239.1	240.0	240.9	240.3
35.5°	236.3	236.0	237.2	237.9	237.9	238.6
36°	234.5	233.9	235.3	236.2	237.1	236.5
36.5°	232.4	232.0	233.3	234.0	234.5	234.7
37°	230.4	230.0	231.2	232.1	232.9	232.6
37.5°	228.6	228.1	229.4	230.1	229.8	230.7
38°	226.5	225.9	227.2	228.1	228.8	228.7
38.5°	224.4	224.0	225.3	226.2	226.4	226.6
39°	222.4	221.9	223.4	224.1	224.5	224.4
39.5°	220.3	219.9	221.2	222.1	222.7	222.5
40°	218.3	217.9	219.0	220.0	220.2	220.3
40.5°	216.3	215.6	217.0	218.0	218.9	218.3
41°	214.1	213.6	214.9	215.7	216.0	216.0
41.5°	211.9	211.4	212.8	213.7	214.7	214.1
42°	209.9	209.3	210.6	211.6	211.7	211.7
42.5°	207.7	207.3	208.5	209.5	209.8	209.8
43°	205.4	204.8	206.4	207.2	207.4	207.6
43.5°	203.3	202.9	204.2	205.3	205.9	205.3
44°	201.2	200.7	202.0	202.8	203.2	203.3
44.5°	198.9	198.4	199.8	200.8	201.0	201.1

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	196.9	196.4	197.6	198.4	199.1	198.8
45.5°	194.4	194.1	195.4	196.2	196.7	196.7
46°	192.3	191.9	193.3	194.1	194.5	194.3
46.5°	190.3	189.5	191.0	192.0	192.1	192.1
47°	187.9	187.5	188.7	189.5	190.4	189.8
47.5°	185.5	185.1	186.5	187.4	187.2	187.6
48°	183.3	183.0	184.3	185.0	186.0	185.3
48.5°	181.1	180.5	181.9	182.8	181.9	183.1
49°	178.7	178.4	179.6	180.6	181.9	180.8
49.5°	176.5	176.1	177.4	178.3	178.4	178.5
50°	174.3	173.9	175.0	176.0	176.0	176.1
50.5°	171.9	171.5	172.7	173.8	174.1	173.9
51°	169.6	169.3	170.4	171.5	171.9	171.5
51.5°	167.5	167.1	168.1	169.2	169.2	169.3
52°	165.1	164.7	165.8	166.9	167.5	166.9
52.5°	162.9	162.5	163.6	164.6	165.0	164.6
53°	160.5	160.2	161.3	162.3	162.4	162.3
53.5°	158.4	157.8	158.9	160.0	160.5	160.1
54°	155.9	155.5	156.7	157.7	157.5	157.6
54.5°	153.4	153.2	154.5	155.4	155.9	155.4
55°	151.7	151.0	152.2	153.0	153.1	153.1
55.5°	149.2	148.7	150.0	150.6	151.2	151.0
56°	146.7	146.4	147.7	148.6	148.5	148.4
56.5°	144.5	144.0	145.4	145.9	146.5	146.3
57°	142.2	141.7	143.0	143.7	143.7	143.8
57.5°	139.9	139.4	140.7	141.3	141.7	141.6
58°	137.5	137.0	138.5	138.9	139.0	139.2
58.5°	135.2	134.6	136.2	136.5	136.7	136.9
59°	132.8	132.3	133.7	134.4	134.6	134.4
59.5°	130.5	129.9	131.4	131.9	132.5	132.2
60°	128.2	127.6	129.1	129.5	129.7	129.7
60.5°	125.8	125.2	126.7	127.2	127.3	127.3
61°	123.5	122.9	124.4	125.0	125.2	125.0
61.5°	121.2	120.6	122.0	122.4	122.7	122.6
62°	118.9	118.2	119.6	120.2	120.4	120.2
62.5°	116.5	115.8	117.3	117.6	118.0	117.8
63°	114.0	113.5	114.7	115.4	115.7	115.4
63.5°	111.7	111.2	112.4	112.9	113.2	113.0
64°	109.4	108.9	110.1	110.5	110.7	110.5
64.5°	107.0	106.4	107.6	108.1	108.3	108.2
65°	104.6	104.2	105.3	105.7	106.0	105.8
65.5°	102.2	101.8	102.8	103.3	103.5	103.3
66°	99.8	99.3	100.5	100.9	101.1	101.0
66.5°	97.5	97.0	98.1	98.5	98.7	98.6
67°	95.1	94.6	95.6	96.2	96.5	96.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	92.8	92.6	93.3	93.7	93.9	93.7
68°	90.4	89.9	91.0	91.4	91.6	91.4
68.5°	88.0	87.7	88.6	89.0	89.3	89.1
69°	85.7	85.4	86.2	86.6	86.9	86.7
69.5°	83.4	83.1	83.9	84.2	84.5	84.2
70°	81.1	80.6	81.5	82.0	82.1	81.9
70.5°	78.7	78.5	79.2	79.6	79.8	79.5
71°	76.4	76.3	76.8	77.3	77.5	77.2
71.5°	74.1	73.7	74.5	75.1	75.2	74.9
72°	71.9	71.7	72.1	72.8	72.9	72.5
72.5°	69.6	69.4	69.9	70.5	70.6	70.2
73°	67.3	67.1	67.6	68.3	68.3	67.9
73.5°	65.1	64.8	65.4	66.0	66.0	65.6
74°	63.0	62.7	63.1	63.8	63.8	63.3
74.5°	60.7	60.4	60.9	61.4	61.5	61.0
75°	58.5	58.3	58.6	59.4	59.2	58.8
75.5°	56.3	56.0	56.4	57.0	57.1	56.6
76°	54.1	53.8	54.1	54.9	54.8	54.3
76.5°	52.0	51.7	51.9	52.6	52.6	52.0
77°	49.9	49.5	49.8	50.4	50.4	49.9
77.5°	47.7	47.4	47.7	48.3	48.2	47.8
78°	45.6	45.3	45.5	46.2	46.1	45.6
78.5°	43.5	43.2	43.5	44.0	44.0	43.5
79°	41.4	41.1	41.4	41.8	41.9	41.4
79.5°	39.4	38.9	39.3	39.7	39.7	39.2
80°	37.3	37.0	37.2	37.6	37.6	37.2
80.5°	35.3	35.0	35.3	35.6	35.5	35.2
81°	33.2	33.0	33.3	33.6	33.5	33.2
81.5°	31.2	31.0	31.3	31.6	31.5	31.2
82°	29.2	29.1	29.3	29.6	29.5	29.2
82.5°	27.3	27.1	27.3	27.6	27.5	27.2
83°	25.3	25.1	25.4	25.6	25.6	25.2
83.5°	23.4	23.1	23.4	23.7	23.7	23.2
84°	21.5	21.3	21.6	21.8	21.7	21.3
84.5°	19.7	19.4	19.7	19.9	19.9	19.5
85°	17.8	17.5	17.8	18.1	17.9	17.6
85.5°	16.0	15.6	16.0	16.2	16.1	15.7
86°	14.2	13.8	14.2	14.4	14.3	13.9
86.5°	12.4	12.1	12.5	12.6	12.5	12.2
87°	10.7	10.3	10.8	10.9	10.8	10.5
87.5°	9.0	8.7	9.2	9.2	9.1	8.9
88°	7.3	7.1	7.6	7.7	7.5	7.3
88.5°	5.6	5.4	5.9	6.0	5.9	5.6
89°	3.9	3.6	4.1	4.2	4.1	3.7
89.5°	2.2	2.7	3.3	3.4	3.3	2.8

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	1.1	1.8	2.5	2.6	2.5	1.9
90.5°	0.4	1.0	1.7	1.7	1.6	1.0
91°	0.1	0.1	0.9	0.9	0.8	0.1
91.5°	0.1	0.1	0.1	0.1	0.1	0.0
92°	0.1	0.1	0.1	0.1	0.0	0.0
92.5°	0.1	0.1	0.1	0.1	0.0	0.0
93°	0.1	0.1	0.1	0.1	0.0	0.0
93.5°	0.1	0.1	0.1	0.1	0.0	0.0
94°	0.1	0.1	0.1	0.1	0.0	0.0
94.5°	0.1	0.1	0.1	0.1	0.1	0.0
95°	0.1	0.1	0.1	0.1	0.1	0.0
95.5°	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.1	0.1	0.1	0.1	0.1	0.1
96.5°	0.1	0.1	0.1	0.1	0.1	0.1
97°	0.1	0.1	0.1	0.1	0.1	0.1
97.5°	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.1	0.1	0.1	0.1	0.1	0.1
99°	0.1	0.1	0.1	0.1	0.1	0.1
99.5°	0.1	0.1	0.1	0.1	0.1	0.1
100°	0.1	0.1	0.1	0.1	0.1	0.1
100.5°	0.1	0.1	0.1	0.1	0.1	0.1
101°	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.1	0.1	0.1	0.1	0.1	0.1
104°	0.1	0.1	0.1	0.1	0.1	0.1
104.5°	0.1	0.1	0.1	0.1	0.1	0.1
105°	0.1	0.1	0.1	0.1	0.1	0.1
105.5°	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.1	0.1	0.1	0.1	0.1	0.1
108.5°	0.1	0.1	0.1	0.1	0.1	0.1
109°	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.2	0.1	0.1	0.1
128.5°	0.2	0.1	0.2	0.1	0.1	0.1
129°	0.2	0.1	0.2	0.1	0.1	0.1
129.5°	0.2	0.2	0.2	0.1	0.1	0.1
130°	0.2	0.2	0.2	0.2	0.1	0.1
130.5°	0.2	0.2	0.2	0.2	0.1	0.1
131°	0.2	0.2	0.2	0.2	0.1	0.1
131.5°	0.2	0.2	0.2	0.2	0.1	0.1
132°	0.2	0.2	0.2	0.2	0.2	0.1
132.5°	0.2	0.2	0.2	0.2	0.2	0.1
133°	0.2	0.2	0.2	0.2	0.2	0.1
133.5°	0.2	0.2	0.2	0.2	0.2	0.1
134°	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2
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	0.2
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°	0.3	0.2	0.2	0.2	0.2	0.2
151°	0.3	0.2	0.2	0.2	0.2	0.2
151.5°	0.3	0.2	0.2	0.2	0.2	0.2
152°	0.3	0.2	0.2	0.2	0.2	0.2
152.5°	0.3	0.2	0.2	0.2	0.2	0.2
153°	0.3	0.2	0.2	0.2	0.2	0.2
153.5°	0.3	0.2	0.2	0.2	0.2	0.2
154°	0.3	0.2	0.2	0.2	0.2	0.2
154.5°	0.3	0.2	0.2	0.2	0.2	0.2
155°	0.3	0.2	0.2	0.2	0.2	0.2
155.5°	0.3	0.2	0.2	0.2	0.2	0.2
156°	0.3	0.2	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	0.3	0.2	0.2	0.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-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

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TEST NUMBER: P1596623
CATALOG NUMBER: HLB3LSFS5-MED-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	27.53	29.17	27.90	29.48	29.80	27.35	28.98	27.72	29.30	29.62
	3H	29.38	30.86	29.76	31.19	31.55	29.15	30.63	29.53	30.96	31.32
	4H	30.10	31.49	30.50	31.84	32.22	29.84	31.23	30.24	31.58	31.96
	6H	30.66	31.95	31.07	32.32	32.71	30.37	31.66	30.78	32.03	32.42
	8H	30.86	32.09	31.28	32.48	32.88	30.55	31.78	30.97	32.17	32.57
	12H	30.96	32.14	31.39	32.53	32.96	30.63	31.81	31.06	32.20	32.63
4H	2H	28.17	29.56	28.57	29.91	30.29	27.98	29.38	28.38	29.73	30.11
	3H	30.24	31.41	30.65	31.81	32.21	30.01	31.18	30.42	31.57	31.98
	4H	31.09	32.15	31.53	32.57	33.01	30.82	31.88	31.26	32.30	32.74
	6H	31.80	32.72	32.25	33.16	33.62	31.48	32.41	31.94	32.85	33.31
	8H	32.05	32.92	32.51	33.36	33.83	31.71	32.58	32.18	33.03	33.49
	12H	32.22	33.00	32.70	33.48	33.95	31.86	32.64	32.34	33.12	33.59
8H	4H	31.42	32.29	31.88	32.73	33.20	31.15	32.02	31.61	32.46	32.93
	6H	32.26	32.98	32.75	33.47	33.95	31.94	32.66	32.43	33.15	33.63
	8H	32.60	33.25	33.11	33.76	34.25	32.25	32.89	32.76	33.40	33.89
	12H	32.87	33.44	33.38	33.93	34.50	32.47	33.05	32.98	33.54	34.10
12H	4H	31.46	32.24	31.94	32.72	33.19	31.19	31.97	31.67	32.45	32.92
	6H	32.33	32.98	32.84	33.49	33.97	32.00	32.65	32.51	33.16	33.65
	8H	32.73	33.31	33.24	33.80	34.36	32.37	32.95	32.88	33.44	34.00

END OF REPORT