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: P1596626

Luminaire Tested: HLB3LSFS5-MED-4000K

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:	P1596626
	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-4000K
Description:	HLB3 3" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	4000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

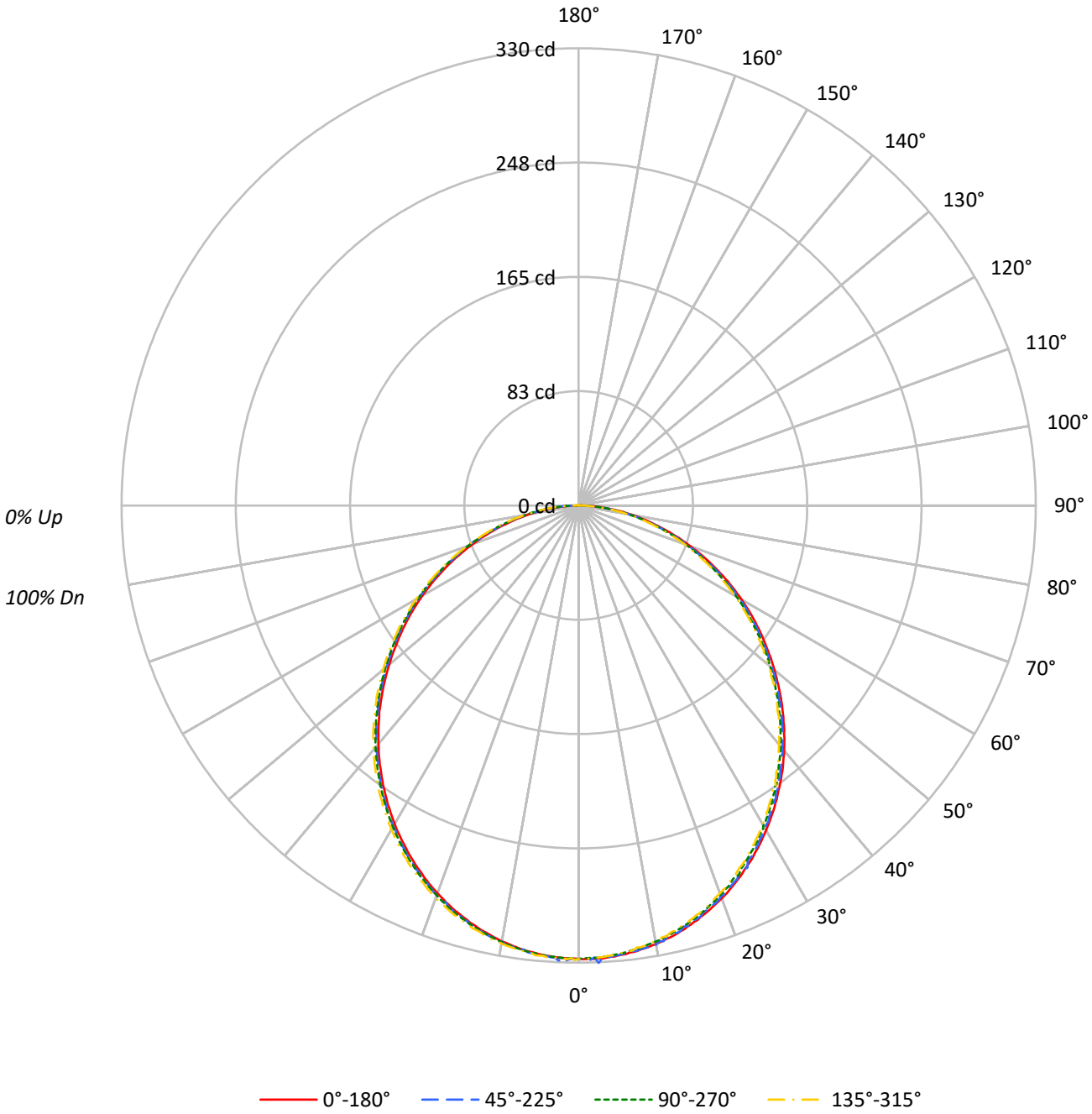
Lumens per Lamp:	N/A
Luminaire Lumens:	895.1 lumens
Efficiency:	N/A
Efficacy:	104.1 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.18' x L: 0.18' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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°	103903	103903	103903	103903
5°	103885	103535	103567	103662
10°	103604	103024	102960	103121
15°	102903	102180	101851	102344
20°	101925	100980	100574	101182
25°	100672	99622	99097	99797
30°	99199	97769	97330	98246
35°	97436	95848	95383	96468
40°	95533	93917	93213	94497
45°	93397	91557	90749	92275
50°	91042	89067	88178	89857
55°	88693	86425	85539	87476
60°	86194	83528	82703	84798
65°	83128	80049	79373	81851
70°	79520	76273	75345	78221
75°	75410	71854	70505	74797
80°	71093	66524	64879	70728
85°	66999	58260	57168	66635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 315°
Vertical Angle: 89.5°
Luminance: 130921 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.9	3.5
10°-20°	87.9	9.8
20°-30°	131.4	14.7
30°-40°	155.6	17.4
40°-50°	158.2	17.7
50°-60°	140.7	15.7
60°-70°	107.0	12.0
70°-80°	63.2	7.1
80°-90°	19.2	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°	0.2	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°	250.2	27.9
0°-40°	405.8	45.3
0°-60°	704.7	78.7
0°-90°	894.1	99.9
90°-120°	0.4	0.0
90°-150°	0.8	0.1
90°-180°	1.0	0.1
0°-180°	895.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	327	327	327	327	327	
5°	326	325	325	325	326	31
15°	313	311	310	312	313	88
25°	288	284	283	285	288	132
35°	252	247	246	249	252	157
45°	208	204	202	206	208	161
55°	160	156	155	158	160	143
65°	111	107	106	109	111	110
75°	62	59	58	61	62	65
85°	18	16	16	18	18	19
90°	2	0	0	2	2	2
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°	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4	327.4
0.5°	327.5	326.1	327.5	328.0	326.9	327.3	327.9	327.8	327.1	327.8	327.8
1°	327.4	329.9	327.5	328.2	326.9	327.1	327.2	327.1	327.2	326.7	327.3
1.5°	327.3	326.5	328.0	327.4	326.8	327.2	327.1	327.1	327.1	327.4	328.4
2°	327.5	327.9	326.5	327.5	326.8	326.8	327.0	326.8	326.9	327.1	326.3
2.5°	327.2	327.1	330.5	327.5	326.5	326.7	326.5	326.8	326.8	326.5	328.9
3°	327.4	327.4	327.2	327.4	326.2	326.4	326.5	326.4	326.4	328.2	326.8
3.5°	327.0	326.4	326.6	327.4	326.3	326.2	326.1	326.1	326.1	325.8	326.8
4°	326.7	327.1	326.6	326.9	325.7	325.7	325.7	325.8	325.8	325.7	326.1
4.5°	326.6	327.0	326.0	325.9	325.5	325.5	325.7	325.4	325.5	325.9	325.7
5°	326.1	325.7	326.0	326.3	325.0	324.9	324.9	325.1	325.1	325.5	325.9
5.5°	325.8	326.2	325.4	325.4	324.8	324.8	324.5	324.5	324.6	324.7	325.0
6°	325.6	326.2	325.2	325.0	324.4	324.2	323.6	324.5	324.2	324.4	324.9
6.5°	324.8	321.9	325.2	324.8	323.7	323.8	323.8	323.5	323.8	324.2	324.6
7°	324.7	325.3	323.9	324.4	323.3	323.4	323.5	323.1	323.2	323.6	323.1
7.5°	324.4	325.6	324.2	324.4	322.8	322.7	321.8	322.6	322.7	322.7	323.1
8°	323.5	322.9	323.3	323.0	322.3	322.2	321.9	322.0	322.0	322.7	323.3
8.5°	323.1	323.6	322.9	322.7	321.7	321.6	321.4	321.2	321.4	321.7	321.8
9°	322.6	322.6	322.8	322.0	320.9	320.7	320.7	320.7	320.7	320.6	321.7
9.5°	322.0	321.9	320.9	321.0	320.4	320.2	320.2	319.7	320.0	320.7	321.3
10°	321.5	321.2	322.1	320.9	319.7	319.6	318.9	319.4	319.5	319.3	319.5
10.5°	320.8	320.5	319.7	318.9	319.1	318.7	318.8	318.4	318.5	319.5	320.6
11°	320.0	320.0	320.5	320.7	318.3	318.0	317.4	317.5	317.8	317.6	317.5
11.5°	319.1	319.2	318.2	317.7	317.3	317.1	317.5	316.6	316.9	316.3	317.9
12°	318.6	318.3	317.5	317.1	316.6	316.3	315.7	315.9	315.9	316.5	317.0
12.5°	317.8	317.5	317.0	317.2	315.7	315.5	314.7	315.0	315.0	314.6	315.8
13°	317.0	316.9	316.5	315.6	315.0	314.4	315.4	314.1	314.4	314.7	315.4
13.5°	316.0	315.6	315.8	314.9	314.0	313.5	312.9	312.9	313.2	313.2	314.5
14°	315.3	315.0	313.2	314.1	312.9	312.7	312.0	312.2	312.1	313.4	312.9
14.5°	314.0	314.1	313.8	312.6	312.1	311.5	311.8	311.0	311.3	311.6	312.6
15°	313.2	313.0	312.3	312.4	311.0	310.6	310.1	309.9	310.0	310.4	310.6
15.5°	312.0	311.9	310.8	310.7	310.0	309.5	309.1	309.0	309.0	309.8	310.4
16°	311.3	311.0	310.4	309.6	309.0	308.2	307.8	307.8	307.9	308.7	308.5
16.5°	310.0	309.6	309.6	309.2	307.7	307.0	307.1	306.7	306.7	306.6	308.4
17°	308.9	308.9	307.3	307.7	306.6	306.3	305.6	305.4	305.7	307.2	306.6
17.5°	307.8	307.7	306.5	306.3	305.6	304.8	304.5	304.4	304.4	304.5	305.7
18°	306.8	306.4	306.5	305.4	304.2	303.5	303.4	303.1	303.1	304.4	304.7
18.5°	305.4	305.8	304.3	304.0	302.9	302.9	302.0	301.7	301.9	301.9	302.1
19°	304.2	303.9	303.5	302.7	302.0	301.2	300.4	300.4	300.5	301.3	302.1
19.5°	303.1	302.5	302.2	301.6	300.5	299.7	299.1	299.2	299.1	299.2	300.6
20°	301.8	301.7	300.3	300.3	299.0	298.6	298.1	297.8	297.8	299.8	298.9
20.5°	300.6	300.3	299.7	298.7	298.0	297.1	296.8	296.4	296.6	297.8	298.3
21°	299.3	298.9	298.1	297.3	296.4	295.6	295.5	295.0	295.2	295.7	296.3
21.5°	297.8	297.2	296.8	296.1	295.3	294.5	293.7	293.6	293.7	294.0	295.6
22°	296.4	296.2	295.4	294.5	293.4	292.8	292.2	292.2	292.3	294.2	292.7

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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°	295.0	294.7	*294.0*	293.1	291.6	291.5	291.0	290.7	290.8	291.5	292.2
23°	293.6	293.2	*292.9*	291.7	291.2	289.9	289.6	289.0	289.2	289.0	291.4
23.5°	292.2	291.5	*290.2*	290.0	290.5	288.5	287.6	287.7	287.5	289.2	288.9
24°	290.6	290.3	*289.5*	288.4	287.5	286.9	285.9	286.1	286.2	286.0	287.8
24.5°	288.9	287.8	*288.4*	287.1	286.1	285.4	285.0	284.5	284.5	283.4	286.9
25°	287.5	287.7	*288.4*	285.4	284.5	283.6	283.2	282.7	283.0	286.1	283.8
25.5°	286.0	286.1	*283.6*	283.9	282.8	282.1	281.5	281.2	281.4	281.8	283.1
26°	284.5	283.8	*282.9*	282.2	281.0	280.4	279.8	279.4	279.6	280.1	281.4
26.5°	282.8	281.1	*281.9*	280.5	279.4	278.8	278.2	278.0	277.9	278.9	279.5
27°	280.9	282.6	*279.4*	278.8	278.0	277.1	276.2	276.0	276.1	276.7	278.0
27.5°	279.5	278.2	*278.2*	277.2	276.1	275.4	274.8	274.5	274.4	275.4	276.3
28°	277.7	276.8	*276.7*	275.2	274.7	273.6	272.9	272.5	272.8	273.8	274.3
28.5°	276.0	275.4	*274.3*	273.6	272.6	271.7	271.2	271.1	271.0	270.4	272.9
29°	274.2	274.1	*273.1*	271.9	270.5	270.0	269.5	269.1	269.2	270.8	271.2
29.5°	272.5	271.6	*270.7*	269.6	269.9	268.3	267.6	267.3	267.4	268.0	268.9
30°	270.7	270.7	*269.1*	268.8	266.8	266.2	266.0	265.4	265.6	266.4	267.6
30.5°	268.8	268.6	*267.1*	265.9	265.5	264.5	263.9	263.7	263.6	264.4	265.7
31°	267.1	267.6	*266.1*	264.8	263.5	262.8	262.1	261.6	261.7	262.7	263.9
31.5°	265.1	263.6	*263.2*	262.5	261.7	260.7	260.0	260.0	260.0	260.6	261.7
32°	263.3	263.4	*261.9*	260.7	259.7	258.7	258.2	258.0	257.9	259.0	260.2
32.5°	261.4	260.4	*259.9*	259.6	257.5	256.9	256.1	255.5	256.2	256.5	258.0
33°	259.6	259.1	*258.8*	256.0	256.1	254.8	254.0	254.5	254.1	254.7	256.0
33.5°	257.5	257.1	*255.9*	255.2	253.8	253.0	252.9	252.1	252.0	253.0	253.8
34°	255.7	254.8	*254.6*	252.5	251.7	251.0	250.2	249.9	250.1	251.1	252.5
34.5°	253.4	253.3	*251.2*	251.0	250.1	248.9	246.9	248.0	248.0	248.7	250.2
35°	251.5	251.1	*250.3*	249.0	247.4	246.8	248.6	246.0	246.2	247.0	248.1
35.5°	249.7	248.9	*247.5*	246.6	246.2	244.9	244.3	243.8	244.0	244.4	246.1
36°	247.5	246.8	*245.3*	244.7	244.3	242.9	242.5	241.9	242.0	244.3	244.0
36.5°	245.6	244.9	*244.5*	242.6	241.8	240.8	239.9	239.8	239.8	240.8	242.1
37°	243.5	242.7	*241.7*	240.5	239.6	238.6	238.2	237.8	237.7	238.2	239.5
37.5°	241.5	240.7	*239.5*	238.4	237.3	236.6	235.9	235.3	235.7	236.3	237.9
38°	239.4	237.8	*237.6*	236.2	235.4	234.3	233.8	233.5	233.5	234.8	235.2
38.5°	237.2	236.6	*235.2*	234.0	233.2	232.0	231.5	231.3	231.4	232.3	233.7
39°	234.9	234.9	*232.7*	232.1	231.3	230.0	229.4	229.1	229.3	230.0	231.2
39.5°	233.0	231.6	*231.4*	229.6	228.9	228.0	227.3	226.8	227.0	228.3	229.0
40°	230.6	230.4	*228.5*	227.4	226.7	225.7	225.0	224.7	225.0	226.1	227.1
40.5°	228.5	228.4	*226.7*	225.3	224.3	223.5	223.1	222.6	222.7	222.9	224.7
41°	226.2	224.8	*224.1*	223.0	222.4	221.3	220.4	220.1	220.4	221.9	222.7
41.5°	224.2	224.0	*222.0*	220.8	220.0	219.0	218.2	218.1	218.2	219.1	220.3
42°	221.7	220.3	*220.2*	218.3	217.9	216.8	216.4	215.8	216.1	217.0	218.0
42.5°	219.6	219.2	*217.8*	216.4	215.4	214.7	213.8	213.5	213.7	214.5	216.2
43°	217.3	215.8	*215.5*	214.1	213.5	212.2	211.8	211.3	211.5	212.5	213.8
43.5°	214.9	214.6	*213.2*	211.6	210.8	209.9	210.1	208.9	209.0	210.1	211.1
44°	212.8	211.6	*210.9*	209.4	208.6	207.6	206.6	206.5	207.1	207.7	209.0
44.5°	210.5	210.0	*208.3*	207.0	206.3	205.3	204.8	204.6	204.5	205.7	206.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	208.1	207.5	206.7	204.7	204.0	203.0	202.5	201.5	202.2	202.8	204.4
45.5°	205.9	204.9	204.1	202.3	201.8	200.6	199.9	200.1	199.8	201.4	202.1
46°	203.4	202.9	200.8	199.9	199.3	198.3	197.7	197.4	197.5	198.6	200.0
46.5°	201.1	200.4	199.8	197.8	197.0	195.9	195.3	195.1	195.2	196.2	197.4
47°	198.7	197.9	196.6	195.2	194.6	193.6	192.9	192.3	192.9	193.8	195.3
47.5°	196.4	195.8	194.0	192.9	192.3	191.1	191.0	190.6	190.4	191.3	192.6
48°	193.9	193.5	192.2	190.5	189.7	188.8	188.3	187.5	188.0	189.1	190.5
48.5°	191.6	190.8	189.5	188.0	187.7	186.3	185.6	185.5	185.8	186.8	188.0
49°	189.2	188.4	187.6	185.8	185.2	183.9	184.0	183.2	183.3	184.2	185.5
49.5°	186.9	186.1	184.5	183.4	182.8	181.7	181.1	180.4	180.9	182.0	183.2
50°	184.4	183.5	182.6	181.0	180.4	179.0	178.5	178.8	178.6	179.4	180.8
50.5°	182.0	181.4	180.0	178.6	178.1	176.7	176.5	176.0	176.0	177.5	178.3
51°	179.5	178.8	177.6	176.1	175.7	174.3	174.3	173.7	173.7	174.6	176.1
51.5°	177.2	176.3	175.1	173.6	173.4	172.0	170.9	171.0	171.2	171.8	173.7
52°	174.7	175.1	172.5	171.6	170.8	169.6	169.8	169.5	169.0	171.0	171.3
52.5°	172.3	171.2	170.4	170.0	168.5	167.4	166.7	166.4	166.4	167.4	168.6
53°	169.9	169.4	168.0	165.5	166.1	164.8	164.3	163.8	164.1	165.6	166.8
53.5°	167.6	167.0	165.5	164.7	163.6	162.5	161.8	161.6	161.7	162.7	164.2
54°	165.0	164.6	163.5	161.5	161.1	160.0	159.6	159.1	159.3	160.0	161.6
54.5°	162.7	162.3	160.5	159.4	158.6	157.7	156.9	156.6	156.9	158.1	159.4
55°	160.3	159.3	158.2	157.6	156.2	155.3	154.5	154.2	154.6	155.3	156.9
55.5°	158.0	157.3	155.9	153.9	153.6	152.8	152.0	151.7	152.2	153.0	154.3
56°	155.3	154.6	153.6	151.9	151.5	150.4	149.5	149.5	149.7	150.8	152.6
56.5°	153.1	152.0	150.5	149.9	148.9	148.1	147.1	146.8	147.3	148.0	149.6
57°	150.6	149.5	148.9	146.3	146.2	145.5	144.7	144.5	145.0	146.4	147.2
57.5°	148.2	147.0	145.8	144.9	143.9	143.1	142.2	142.0	142.4	143.3	144.9
58°	145.7	144.6	143.5	142.2	141.3	140.6	139.5	139.7	140.0	140.7	142.8
58.5°	143.3	142.2	141.5	139.3	139.1	138.1	137.5	136.8	137.7	138.5	139.6
59°	140.7	139.3	138.5	137.4	136.5	135.7	134.8	134.9	135.1	136.1	138.1
59.5°	138.4	136.9	136.3	134.7	134.0	133.2	132.4	132.4	132.7	133.6	134.8
60°	135.8	134.7	134.6	132.0	131.6	130.7	129.9	129.7	130.3	130.8	133.4
60.5°	133.3	132.0	130.5	129.8	129.1	128.2	127.5	127.0	127.8	128.9	130.5
61°	130.8	129.7	128.9	127.1	126.6	125.8	125.0	124.9	125.3	126.2	127.7
61.5°	128.4	127.5	126.1	124.5	124.1	123.2	122.5	122.5	122.8	123.7	125.5
62°	125.8	124.3	123.7	122.2	121.6	120.7	120.1	119.8	120.4	121.2	122.9
62.5°	123.3	122.1	121.1	119.8	119.2	118.4	117.6	117.5	117.9	118.9	120.8
63°	120.8	119.7	118.6	116.9	116.6	115.7	115.0	115.2	115.4	116.4	117.9
63.5°	118.3	117.1	116.1	114.3	114.1	113.3	112.5	112.4	113.0	114.0	115.6
64°	115.7	114.9	113.6	112.2	111.6	110.7	110.1	110.3	110.6	111.5	112.9
64.5°	113.2	112.0	111.1	109.6	109.1	108.3	107.7	107.3	108.1	109.2	110.6
65°	110.7	109.8	108.5	106.8	106.6	105.7	105.1	105.0	105.7	106.5	108.1
65.5°	108.2	107.7	106.0	104.5	104.1	103.3	102.6	102.8	103.2	104.3	105.3
66°	105.7	104.6	103.5	102.0	101.7	100.9	100.3	100.1	100.7	101.9	103.1
66.5°	103.2	102.5	101.0	99.8	99.2	98.2	97.4	97.5	98.2	99.0	100.5
67°	100.7	99.7	98.4	96.8	96.6	95.9	95.3	95.6	95.7	96.9	98.3

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

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	98.1	97.5	96.0	94.7	94.6	93.4	92.8	92.5	93.3	94.5	95.1
68°	95.6	94.6	93.4	92.2	91.8	90.9	90.3	90.1	90.9	91.6	94.2
68.5°	93.2	92.7	91.0	89.5	89.5	88.4	87.9	87.9	88.5	89.9	90.6
69°	90.7	89.9	88.5	87.0	87.1	86.0	85.5	85.5	86.0	87.1	88.3
69.5°	88.2	87.4	86.0	84.7	84.7	83.5	83.1	83.1	83.6	84.6	86.3
70°	85.7	85.0	83.5	82.4	82.2	81.1	80.7	80.6	81.2	82.2	84.2
70.5°	83.2	82.6	81.2	79.7	79.8	78.7	78.3	78.2	78.7	79.8	82.2
71°	80.8	80.1	78.6	77.5	77.3	76.2	75.9	75.8	76.3	77.4	80.1
71.5°	78.4	77.9	76.2	75.0	75.1	73.7	73.5	73.5	73.9	75.2	75.0
72°	75.9	75.2	73.8	72.8	72.7	71.4	71.1	71.1	71.5	72.7	74.5
72.5°	73.5	73.0	71.4	70.1	70.2	69.0	68.8	68.7	69.3	70.4	71.6
73°	71.1	70.5	68.9	68.0	68.3	66.6	66.4	66.4	66.8	68.1	68.8
73.5°	68.7	68.0	66.6	65.6	65.4	64.2	64.0	64.2	64.4	65.7	66.7
74°	66.3	65.8	64.3	63.2	63.0	61.8	61.8	61.8	62.2	63.5	64.8
74.5°	63.9	63.4	61.9	60.9	60.9	59.5	59.3	59.5	59.8	61.0	61.7
75°	61.5	61.2	59.6	58.8	58.6	57.2	57.1	57.3	57.5	58.9	59.9
75.5°	59.2	58.4	57.3	56.2	56.7	54.9	54.8	54.9	55.2	56.4	57.3
76°	56.9	56.5	55.0	54.0	53.8	52.6	52.6	52.7	52.9	54.3	55.4
76.5°	54.5	54.1	52.7	51.6	51.6	50.3	50.4	50.7	50.7	52.0	53.1
77°	52.3	51.7	50.5	49.6	49.6	48.1	48.1	47.4	48.5	49.8	50.3
77.5°	50.0	49.6	48.2	47.1	47.3	45.9	45.8	47.1	46.3	47.6	49.0
78°	47.7	47.3	46.1	45.1	45.1	43.7	43.7	43.9	44.1	45.4	46.2
78.5°	45.5	45.0	43.8	42.9	42.9	41.6	41.5	41.3	41.9	43.1	44.1
79°	43.3	42.6	41.6	40.6	40.6	39.4	39.3	39.3	39.8	41.1	42.2
79.5°	41.1	40.9	39.4	38.6	38.5	37.3	37.2	37.7	37.7	38.7	39.8
80°	38.9	38.3	37.3	35.9	36.4	35.1	35.0	34.5	35.5	36.9	37.7
80.5°	36.9	36.0	35.2	33.9	34.3	33.1	33.0	33.0	33.4	34.6	35.7
81°	34.8	34.0	33.1	32.0	32.1	31.1	30.9	31.3	31.3	32.6	33.6
81.5°	32.6	31.9	31.0	30.0	30.0	29.0	28.9	28.7	29.3	30.5	31.5
82°	30.5	29.9	28.9	28.0	28.0	27.0	26.8	26.9	27.3	28.4	29.5
82.5°	28.4	27.9	26.9	25.9	26.0	25.0	24.8	24.9	25.3	26.4	27.4
83°	26.3	25.9	24.8	23.9	23.9	23.0	22.8	22.8	23.3	24.5	25.4
83.5°	24.3	23.7	22.8	22.0	21.9	21.1	21.0	21.1	21.3	22.4	23.5
84°	22.3	21.8	20.8	19.9	19.9	19.2	19.0	18.9	19.4	20.5	21.5
84.5°	20.4	19.8	18.8	17.9	18.0	17.3	17.1	17.2	17.5	18.6	19.6
85°	18.4	17.8	16.9	16.0	16.0	15.3	15.2	15.3	15.7	16.7	17.6
85.5°	16.5	15.8	15.0	14.1	14.1	13.5	13.4	13.4	13.9	14.8	16.0
86°	14.6	14.0	13.2	12.3	12.3	11.7	11.7	11.7	12.1	13.0	14.0
86.5°	12.8	12.1	11.4	10.6	10.5	9.9	9.9	9.9	10.3	11.2	12.1
87°	11.0	10.4	9.7	8.9	8.6	8.1	8.1	8.2	8.6	9.4	10.3
87.5°	9.3	8.7	8.0	7.0	6.8	6.3	6.3	6.4	6.8	7.7	8.5
88°	7.6	7.0	6.1	5.0	4.9	4.5	4.5	4.7	5.1	5.9	6.8
88.5°	5.9	5.0	4.0	2.9	3.1	2.7	2.7	2.9	3.4	4.1	5.0
89°	3.9	3.1	3.0	2.2	1.3	1.1	1.3	1.5	1.9	2.4	3.2
89.5°	2.9	2.3	2.0	1.5	0.3	0.4	0.5	0.8	1.1	1.3	1.7

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

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.0	1.6	*1.0*	0.8	0.1	0.1	0.1	0.2	0.4	0.6	0.9
90.5°	1.0	0.8	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3
91°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.1	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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Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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	0.2
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
130°	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2
130.5°	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2
131°	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2
131.5°	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.2	0.2	0.2	0.2	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	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: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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	0.3
150.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
151°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
151.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
152°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
152.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
153°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
154°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
154.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2
178°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	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: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	327.4	327.4	327.4	327.4	327.4	327.4
0.5°	327.7	327.0	327.3	328.0	327.6	327.5
1°	329.1	327.0	327.2	326.9	327.4	327.4
1.5°	326.2	326.8	327.2	327.7	327.4	327.3
2°	328.1	326.8	327.0	327.2	327.3	327.5
2.5°	*326.0*	*326.6*	*327.1*	*326.9*	*327.2*	*327.2*
3°	328.6	326.3	326.7	327.0	327.0	327.4
3.5°	326.7	326.2	326.7	326.7	327.2	327.0
4°	326.9	326.0	326.3	327.0	326.6	326.7
4.5°	326.8	325.6	326.2	326.1	326.7	326.6
5°	326.1	325.4	325.7	326.2	326.1	326.1
5.5°	325.7	324.9	325.5	326.2	326.0	325.8
6°	325.3	324.7	324.8	325.0	325.5	325.6
6.5°	325.6	324.0	324.6	325.1	325.0	324.8
7°	323.9	323.7	324.3	324.2	324.8	324.7
7.5°	325.0	323.0	323.6	324.1	324.0	324.4
8°	322.7	322.5	323.0	323.5	323.8	323.5
8.5°	323.5	321.9	322.6	322.8	323.3	323.1
9°	321.6	321.3	322.0	322.2	322.4	322.6
9.5°	321.7	320.7	321.3	321.8	321.8	322.0
10°	321.6	320.0	320.5	321.1	321.4	321.5
10.5°	319.3	319.3	320.0	320.2	320.8	320.8
11°	319.5	318.6	319.3	319.5	320.3	320.0
11.5°	318.2	317.7	318.4	319.3	318.5	319.1
12°	317.8	316.9	317.6	318.1	318.7	318.6
12.5°	317.0	316.1	316.9	317.3	317.4	317.8
13°	315.8	315.1	316.0	316.1	317.3	317.0
13.5°	315.1	314.2	315.3	315.3	315.5	316.0
14°	314.1	313.2	314.2	314.8	315.1	315.3
14.5°	313.2	312.3	313.2	313.7	314.3	314.0
15°	311.9	311.5	312.3	313.1	317.3	313.2
15.5°	311.2	310.3	311.2	311.6	310.6	312.0
16°	309.9	309.3	310.1	310.8	311.3	311.3
16.5°	308.8	308.2	309.2	309.6	310.2	310.0
17°	307.8	307.0	308.0	308.7	308.6	308.9
17.5°	306.6	305.7	306.9	307.5	307.8	307.8
18°	305.4	305.0	305.5	306.3	306.9	306.8
18.5°	304.2	303.3	304.5	305.0	306.4	305.4
19°	303.0	302.2	303.2	303.4	304.1	304.2
19.5°	301.6	301.0	302.0	303.0	302.8	303.1
20°	300.4	299.6	300.8	301.3	301.9	301.8
20.5°	298.9	298.2	299.4	300.1	299.9	300.6
21°	297.4	296.9	298.0	298.7	299.1	299.3
21.5°	296.2	295.5	296.8	297.4	297.3	297.8
22°	294.8	294.2	295.3	296.0	297.1	296.4

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

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	293.4	292.5	293.8	294.3	297.7	295.0
23°	291.9	291.3	292.3	293.5	291.1	293.6
23.5°	290.3	289.8	291.0	291.7	292.9	292.2
24°	288.9	288.4	289.3	290.2	291.1	290.6
24.5°	287.2	286.5	287.9	288.8	288.5	288.9
25°	286.0	285.0	286.3	287.2	287.9	287.5
25.5°	284.0	283.6	284.7	285.8	286.9	286.0
26°	282.6	281.8	283.0	283.6	283.6	284.5
26.5°	280.8	280.2	281.4	282.6	284.2	282.8
27°	279.1	278.6	279.8	280.7	282.0	280.9
27.5°	277.5	276.8	278.1	278.9	278.7	279.5
28°	275.8	275.2	276.5	277.3	277.1	277.7
28.5°	273.9	273.3	274.7	275.5	275.4	276.0
29°	272.3	271.6	272.8	273.8	274.2	274.2
29.5°	270.3	269.8	271.2	271.9	272.7	272.5
30°	268.8	268.1	269.4	270.3	270.3	270.7
30.5°	266.7	266.3	267.5	268.4	268.8	268.8
31°	264.9	264.4	265.6	266.6	267.0	267.1
31.5°	263.1	262.6	263.9	265.1	265.5	265.1
32°	261.2	260.6	261.9	262.7	270.0	263.3
32.5°	259.2	258.7	260.2	261.1	257.7	261.4
33°	257.4	256.7	258.0	259.4	260.2	259.6
33.5°	255.5	254.9	256.2	257.0	258.5	257.5
34°	253.4	252.9	254.2	255.0	255.1	255.7
34.5°	251.5	250.8	252.4	253.3	253.7	253.4
35°	249.4	249.0	250.2	251.2	252.2	251.5
35.5°	247.3	247.0	248.3	249.0	249.0	249.7
36°	245.5	244.8	246.3	247.3	248.2	247.5
36.5°	243.3	242.8	244.2	245.0	245.4	245.6
37°	241.2	240.8	242.0	243.0	243.8	243.5
37.5°	239.2	238.8	240.1	240.9	240.6	241.5
38°	237.1	236.4	237.8	238.8	239.6	239.4
38.5°	234.9	234.5	235.9	236.8	237.0	237.2
39°	232.8	232.3	233.9	234.6	235.0	234.9
39.5°	230.7	230.2	231.5	232.5	233.1	233.0
40°	228.5	228.1	229.3	230.3	230.5	230.6
40.5°	226.4	225.7	227.2	228.2	229.2	228.5
41°	224.1	223.6	225.0	225.8	226.1	226.2
41.5°	221.8	221.3	222.7	223.7	224.8	224.2
42°	219.7	219.1	220.5	221.5	221.7	221.7
42.5°	217.4	217.0	218.2	219.3	219.6	219.6
43°	215.1	214.4	216.1	216.9	217.1	217.3
43.5°	212.8	212.4	213.8	214.9	215.6	214.9
44°	210.6	210.1	211.5	212.3	212.7	212.8
44.5°	208.2	207.7	209.2	210.2	210.4	210.5

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

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	206.2	205.6	206.8	207.7	208.4	208.1
45.5°	203.5	203.2	204.5	205.4	205.9	205.9
46°	201.3	200.9	202.3	203.2	203.6	203.4
46.5°	199.2	198.3	199.9	201.0	201.0	201.1
47°	196.6	196.3	197.5	198.4	199.3	198.7
47.5°	194.2	193.7	195.2	196.2	196.0	196.4
48°	191.9	191.6	192.9	193.7	194.7	193.9
48.5°	189.6	189.0	190.4	191.4	190.4	191.6
49°	187.1	186.7	188.0	189.0	190.4	189.2
49.5°	184.8	184.3	185.7	186.7	186.7	186.9
50°	182.5	182.0	183.2	184.2	184.3	184.4
50.5°	180.0	179.5	180.8	182.0	182.2	182.0
51°	177.5	177.2	178.3	179.5	179.9	179.5
51.5°	175.3	174.9	176.0	177.2	177.2	177.2
52°	172.8	172.4	173.5	174.7	175.3	174.7
52.5°	170.5	170.1	171.2	172.3	172.8	172.3
53°	168.0	167.7	168.8	169.9	170.0	169.9
53.5°	165.8	165.2	166.4	167.5	168.1	167.6
54°	163.2	162.8	164.0	165.1	164.9	165.0
54.5°	160.6	160.4	161.7	162.6	163.2	162.7
55°	158.8	158.1	159.3	160.1	160.3	160.3
55.5°	156.2	155.6	157.0	157.7	158.3	158.0
56°	153.6	153.2	154.6	155.6	155.4	155.3
56.5°	151.3	150.7	152.2	152.7	153.3	153.1
57°	148.8	148.4	149.7	150.4	150.5	150.6
57.5°	146.4	145.9	147.3	147.9	148.3	148.2
58°	143.9	143.4	145.0	145.4	145.5	145.7
58.5°	141.5	140.9	142.6	142.9	143.1	143.3
59°	139.0	138.4	139.9	140.7	140.9	140.7
59.5°	136.6	136.0	137.6	138.1	138.7	138.4
60°	134.2	133.6	135.1	135.6	135.8	135.8
60.5°	131.7	131.0	132.6	133.1	133.2	133.3
61°	129.3	128.6	130.2	130.8	131.1	130.8
61.5°	126.8	126.2	127.7	128.1	128.5	128.4
62°	124.5	123.8	125.2	125.8	126.0	125.8
62.5°	121.9	121.3	122.7	123.2	123.5	123.3
63°	119.4	118.8	120.1	120.8	121.1	120.8
63.5°	116.9	116.4	117.7	118.2	118.5	118.3
64°	114.5	114.0	115.2	115.7	115.9	115.7
64.5°	112.0	111.4	112.7	113.2	113.4	113.2
65°	109.5	109.0	110.2	110.7	110.9	110.7
65.5°	107.0	106.6	107.7	108.1	108.4	108.2
66°	104.5	104.0	105.2	105.6	105.9	105.7
66.5°	102.1	101.6	102.7	103.1	103.3	103.2
67°	99.5	99.1	100.1	100.7	101.0	100.7

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

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	97.1	97.0	97.7	98.1	98.2	98.1
68°	94.6	94.1	95.2	95.6	95.9	95.6
68.5°	92.2	91.8	92.8	93.2	93.5	93.2
69°	89.7	89.4	90.2	90.7	91.0	90.7
69.5°	87.3	87.0	87.8	88.2	88.5	88.2
70°	84.8	84.3	85.4	85.8	86.0	85.7
70.5°	82.4	82.2	82.9	83.3	83.5	83.2
71°	80.0	79.8	80.4	81.0	81.2	80.8
71.5°	77.6	77.1	78.0	78.6	78.7	78.4
72°	75.2	75.0	75.5	76.2	76.3	75.9
72.5°	72.9	72.7	73.2	73.7	73.9	73.5
73°	70.5	70.3	70.7	71.5	71.5	71.1
73.5°	68.1	67.8	68.4	69.1	69.1	68.7
74°	65.9	65.6	66.0	66.8	66.7	66.3
74.5°	63.6	63.2	63.7	64.3	64.4	63.9
75°	61.2	61.0	61.3	62.2	62.0	61.5
75.5°	59.0	58.7	59.1	59.7	59.8	59.2
76°	56.6	56.3	56.7	57.4	57.3	56.9
76.5°	54.4	54.1	54.4	55.1	55.1	54.5
77°	52.2	51.8	52.1	52.8	52.8	52.3
77.5°	50.0	49.6	50.0	50.6	50.5	50.0
78°	47.7	47.5	47.7	48.3	48.3	47.7
78.5°	45.5	45.2	45.5	46.1	46.0	45.5
79°	43.3	43.0	43.3	43.8	43.8	43.3
79.5°	41.2	40.8	41.1	41.6	41.5	41.1
80°	39.0	38.7	39.0	39.4	39.4	38.9
80.5°	36.9	36.7	37.0	37.3	37.1	36.9
81°	34.7	34.6	34.9	35.2	35.1	34.8
81.5°	32.7	32.5	32.8	33.1	33.0	32.6
82°	30.6	30.4	30.7	31.0	30.9	30.5
82.5°	28.6	28.3	28.6	28.9	28.8	28.4
83°	26.5	26.2	26.5	26.8	26.8	26.3
83.5°	24.5	24.2	24.5	24.8	24.8	24.3
84°	22.5	22.3	22.6	22.8	22.8	22.3
84.5°	20.6	20.3	20.6	20.9	20.8	20.4
85°	18.6	18.3	18.7	18.9	18.8	18.4
85.5°	16.7	16.4	16.8	17.0	16.9	16.5
86°	14.8	14.5	14.9	15.0	15.0	14.6
86.5°	13.0	12.6	13.1	13.2	13.1	12.8
87°	11.2	10.8	11.3	11.4	11.3	11.0
87.5°	9.4	9.1	9.6	9.7	9.6	9.3
88°	7.6	7.4	7.9	8.0	7.9	7.6
88.5°	5.8	5.7	6.2	6.3	6.2	5.9
89°	4.0	3.7	4.3	4.4	4.3	3.9
89.5°	2.3	2.8	3.5	3.6	3.4	2.9

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

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	1.1	1.9	2.6	2.7	2.6	2.0
90.5°	0.4	1.0	1.8	1.8	1.7	1.0
91°	0.1	0.1	0.9	0.9	0.9	0.1
91.5°	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.0
93°	0.1	0.1	0.1	0.1	0.1	0.0
93.5°	0.1	0.1	0.1	0.1	0.1	0.0
94°	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.1	0.1	0.1	0.1	0.1	0.1
95°	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
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
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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	0.2	0.1	0.1
121.5°	0.1	0.1	0.1	0.2	0.1	0.1
122°	0.1	0.1	0.1	0.2	0.1	0.1
122.5°	0.1	0.1	0.1	0.2	0.1	0.1
123°	0.1	0.1	0.1	0.2	0.1	0.1
123.5°	0.1	0.1	0.1	0.2	0.1	0.1
124°	0.1	0.1	0.1	0.2	0.1	0.1
124.5°	0.1	0.1	0.1	0.2	0.1	0.1
125°	0.1	0.1	0.1	0.2	0.1	0.1
125.5°	0.1	0.1	0.1	0.2	0.1	0.1
126°	0.1	0.1	0.1	0.2	0.1	0.1
126.5°	0.1	0.1	0.1	0.2	0.1	0.1
127°	0.2	0.2	0.2	0.2	0.1	0.1
127.5°	0.2	0.2	0.2	0.2	0.1	0.1
128°	0.2	0.2	0.2	0.2	0.1	0.1
128.5°	0.2	0.2	0.2	0.2	0.1	0.1
129°	0.2	0.2	0.2	0.2	0.1	0.1
129.5°	0.2	0.2	0.2	0.2	0.2	0.1
130°	0.2	0.2	0.2	0.2	0.2	0.1
130.5°	0.2	0.2	0.2	0.2	0.2	0.1
131°	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2
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
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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°	0.3	0.2	0.2	0.2	0.2	0.2
148.5°	0.3	0.2	0.2	0.2	0.2	0.2
149°	0.3	0.2	0.2	0.2	0.2	0.2
149.5°	0.3	0.2	0.2	0.2	0.2	0.2
150°	0.3	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	0.3	0.2	0.2	0.2
155.5°	0.3	0.2	0.3	0.2	0.2	0.2
156°	0.3	0.2	0.3	0.2	0.2	0.2
156.5°	0.3	0.2	0.3	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: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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	0.3	0.2	0.2
162.5°	0.3	0.2	0.3	0.3	0.2	0.2
163°	0.3	0.2	0.3	0.3	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	0.3	0.2
164.5°	0.3	0.2	0.3	0.3	0.3	0.2
165°	0.3	0.2	0.3	0.3	0.3	0.2
165.5°	0.3	0.2	0.3	0.3	0.3	0.2
166°	0.3	0.2	0.3	0.3	0.3	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	0.4	0.3	0.2
171°	0.3	0.2	0.3	0.4	0.3	0.2
171.5°	0.3	0.2	0.3	0.4	0.3	0.2
172°	0.3	0.2	0.4	0.4	0.3	0.2
172.5°	0.3	0.3	0.4	0.3	0.2	0.2
173°	0.3	0.3	0.4	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	0.3	0.2	0.2	0.2
174.5°	0.3	0.3	0.3	0.2	0.2	0.2
175°	0.3	0.3	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°	0.3	0.2	0.2	0.2	0.2	0.2
177°	0.3	0.2	0.2	0.2	0.2	0.2
177.5°	0.3	0.2	0.2	0.2	0.2	0.2
178°	0.3	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: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-4000K

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: P1596626
CATALOG NUMBER: HLB3LSFS5-MED-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	27.69	29.32	28.06	29.64	29.96	27.51	29.14	27.88	29.46	29.78
	3H	29.54	31.02	29.92	31.35	31.71	29.31	30.79	29.69	31.12	31.48
	4H	30.26	31.65	30.66	32.00	32.38	30.00	31.39	30.40	31.74	32.12
	6H	30.82	32.11	31.23	32.48	32.87	30.53	31.82	30.94	32.19	32.58
	8H	31.02	32.25	31.44	32.64	33.04	30.71	31.94	31.13	32.33	32.73
	12H	31.12	32.30	31.55	32.68	33.11	30.79	31.97	31.22	32.36	32.79
4H	2H	28.32	29.72	28.72	30.07	30.44	28.14	29.54	28.54	29.89	30.26
	3H	30.40	31.57	30.81	31.97	32.37	30.16	31.33	30.58	31.73	32.14
	4H	31.25	32.31	31.69	32.73	33.17	30.98	32.04	31.42	32.46	32.89
	6H	31.95	32.88	32.41	33.32	33.78	31.64	32.57	32.10	33.01	33.47
	8H	32.21	33.08	32.67	33.52	33.99	31.87	32.74	32.34	33.19	33.65
	12H	32.38	33.16	32.86	33.64	34.11	32.02	32.80	32.50	33.28	33.75
8H	4H	31.58	32.45	32.04	32.89	33.36	31.31	32.18	31.77	32.62	33.09
	6H	32.42	33.14	32.91	33.63	34.11	32.10	32.82	32.59	33.31	33.79
	8H	32.76	33.41	33.27	33.92	34.41	32.40	33.05	32.91	33.56	34.05
	12H	33.03	33.60	33.53	34.09	34.66	32.63	33.21	33.14	33.70	34.26
12H	4H	31.62	32.40	32.10	32.88	33.35	31.35	32.13	31.83	32.61	33.08
	6H	32.49	33.14	33.00	33.65	34.13	32.16	32.81	32.67	33.32	33.81
	8H	32.89	33.47	33.40	33.96	34.52	32.53	33.11	33.04	33.60	34.16

END OF REPORT