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: P1596624

Luminaire Tested: HLB3LSFS5-MED-3000K

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:	P1596624
	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-3000K
Description:	HLB3 3" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	3000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

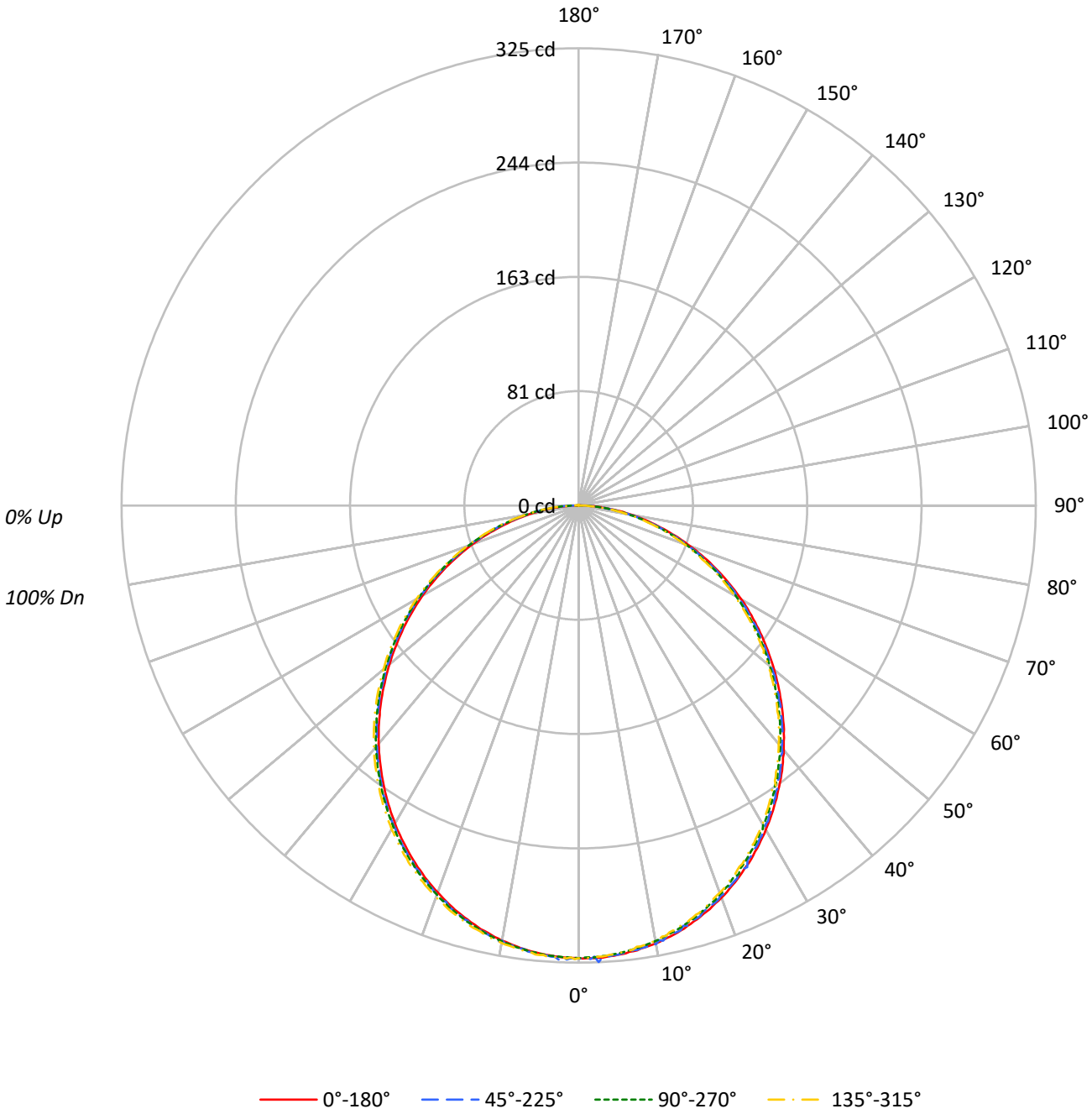
Lumens per Lamp:	N/A
Luminaire Lumens:	880.1 lumens
Efficiency:	N/A
Efficacy:	103.5 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.18' x L: 0.18' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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°	102157	102157	102157	102157
5°	102133	101815	101815	101910
10°	101864	101316	101252	101381
15°	101194	100471	100143	100636
20°	100203	99291	98886	99494
25°	98992	97941	97416	98116
30°	97550	96157	95717	96597
35°	95809	94260	93756	94841
40°	93959	92343	91639	92923
45°	91827	90031	89268	90705
50°	89511	87537	86697	88376
55°	87199	84986	84101	85982
60°	84734	82132	81307	83401
65°	81776	78698	78022	80500
70°	78221	75066	74046	76922
75°	74183	70628	69279	73570
80°	69814	65428	63783	69631
85°	65907	57532	56440	65543

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 315°
Vertical Angle: 89.5°
Luminance: 127284 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	3.5
10°-20°	86.4	9.8
20°-30°	129.2	14.7
30°-40°	153.0	17.4
40°-50°	155.6	17.7
50°-60°	138.4	15.7
60°-70°	105.2	12.0
70°-80°	62.1	7.1
80°-90°	18.9	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°	246.0	27.9
0°-40°	399.0	45.3
0°-60°	692.9	78.7
0°-90°	879.1	99.9
90°-120°	0.4	0.0
90°-150°	0.7	0.1
90°-180°	1.0	0.1
0°-180°	880.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	322	322	322	322	322	
5°	321	320	320	320	321	30
15°	308	306	305	306	308	87
25°	283	280	278	280	283	130
35°	247	243	242	245	247	155
45°	205	201	199	202	205	158
55°	158	154	152	155	158	141
65°	109	105	104	107	109	108
75°	60	58	56	60	60	64
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°	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9
0.5°	322.1	320.7	322.0	322.5	321.4	321.8	322.4	322.3	321.6	322.3	322.3
1°	321.9	324.3	322.0	322.7	321.4	321.6	321.7	321.6	321.7	321.2	321.9
1.5°	321.9	321.0	322.5	321.9	321.3	321.7	321.6	321.6	321.6	321.9	322.9
2°	322.0	322.4	321.0	322.0	321.4	321.3	321.5	321.3	321.4	321.6	320.9
2.5°	321.7	321.6	324.9	322.1	321.1	321.3	321.0	321.3	321.3	321.1	323.3
3°	321.9	321.9	321.7	321.9	320.7	320.9	321.1	320.9	320.9	322.7	321.3
3.5°	321.5	320.9	321.1	322.0	320.8	320.7	320.7	320.6	320.6	320.3	321.3
4°	321.2	321.6	321.2	321.4	320.3	320.2	320.2	320.3	320.3	320.2	320.7
4.5°	321.1	321.5	320.6	320.5	320.0	320.0	320.2	320.0	320.0	320.5	320.2
5°	320.6	320.2	320.5	320.8	319.6	319.5	319.4	319.6	319.6	320.0	320.4
5.5°	320.4	320.7	319.9	319.9	319.3	319.4	319.1	319.0	319.2	319.2	319.5
6°	320.1	320.8	319.7	319.6	318.9	318.8	318.2	319.1	318.8	319.0	319.4
6.5°	319.3	316.5	319.7	319.4	318.3	318.4	318.4	318.1	318.4	318.8	319.2
7°	319.3	319.8	318.5	319.0	317.9	318.0	318.1	317.7	317.7	318.2	317.7
7.5°	319.0	320.1	318.7	318.9	317.4	317.3	316.4	317.2	317.3	317.3	317.6
8°	318.1	317.5	317.9	317.6	316.9	316.8	316.5	316.6	316.6	317.3	317.9
8.5°	317.7	318.1	317.5	317.2	316.3	316.2	316.0	315.8	316.0	316.4	316.4
9°	317.2	317.2	317.4	316.6	315.6	315.4	315.3	315.3	315.3	315.3	316.3
9.5°	316.6	316.5	315.6	315.6	315.1	314.8	314.9	314.3	314.6	315.4	315.9
10°	316.1	315.8	316.7	315.6	314.4	314.2	313.6	314.0	314.2	314.0	314.1
10.5°	315.5	315.1	314.3	313.5	313.7	313.3	313.5	313.1	313.2	314.2	315.2
11°	314.7	314.6	315.2	315.3	312.9	312.7	312.1	312.2	312.5	312.3	312.2
11.5°	313.8	313.9	312.8	312.4	312.0	311.8	312.2	311.3	311.5	311.0	312.6
12°	313.3	313.0	312.2	311.8	311.3	311.0	310.4	310.6	310.6	311.2	311.7
12.5°	312.5	312.1	311.7	311.9	310.5	310.2	309.5	309.8	309.7	309.4	310.6
13°	311.7	311.6	311.2	310.3	309.7	309.2	310.1	308.8	309.1	309.4	310.1
13.5°	310.7	310.3	310.5	309.6	308.8	308.3	307.7	307.7	308.0	307.9	309.3
14°	310.0	309.7	307.9	308.9	307.7	307.5	306.7	307.0	306.9	308.1	307.6
14.5°	308.7	308.8	308.5	307.3	306.9	306.3	306.6	305.8	306.1	306.4	307.3
15°	308.0	307.8	307.1	307.1	305.8	305.4	304.9	304.7	304.8	305.2	305.4
15.5°	306.7	306.7	305.6	305.5	304.8	304.3	303.9	303.8	303.8	304.6	305.2
16°	306.1	305.8	305.2	304.4	303.8	303.1	302.6	302.7	302.7	303.5	303.4
16.5°	304.8	304.5	304.4	304.0	302.5	301.9	302.0	301.5	301.6	301.5	303.2
17°	303.7	303.7	302.1	302.6	301.5	301.2	300.5	300.3	300.6	302.1	301.4
17.5°	302.7	302.5	301.3	301.2	300.5	299.7	299.4	299.3	299.3	299.4	300.6
18°	301.7	301.2	301.3	300.3	299.1	298.4	298.3	298.0	298.0	299.3	299.6
18.5°	300.3	300.7	299.2	298.9	297.9	297.8	296.9	296.6	296.8	296.8	297.1
19°	299.1	298.8	298.4	297.7	297.0	296.1	295.3	295.3	295.5	296.3	297.1
19.5°	298.0	297.4	297.2	296.6	295.4	294.7	294.1	294.2	294.1	294.1	295.6
20°	296.7	296.6	295.3	295.3	294.0	293.6	293.1	292.8	292.8	294.8	293.9
20.5°	295.6	295.2	294.6	293.7	293.0	292.2	291.8	291.4	291.6	292.8	293.3
21°	294.2	293.8	293.1	292.3	291.4	290.7	290.6	290.1	290.2	290.8	291.3
21.5°	292.8	292.3	291.8	291.1	290.3	289.6	288.8	288.6	288.7	289.1	290.6
22°	291.4	291.3	290.5	289.6	288.5	287.9	287.3	287.3	287.4	289.3	287.8

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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°	290.1	289.7	*289.1*	288.2	286.7	286.6	286.2	285.8	285.9	286.6	287.3
23°	288.7	288.3	*288.0*	286.8	286.3	285.0	284.8	284.2	284.3	284.2	286.5
23.5°	287.3	286.6	*285.4*	285.1	285.6	283.7	282.7	282.9	282.7	284.4	284.0
24°	285.7	285.5	*284.6*	283.6	282.6	282.1	281.1	281.3	281.4	281.2	283.0
24.5°	284.1	283.0	*283.6*	282.2	281.3	280.6	280.3	279.7	279.7	278.6	282.1
25°	282.7	282.9	*283.6*	280.6	279.7	278.8	278.4	277.9	278.2	281.3	279.1
25.5°	281.3	281.3	*278.9*	279.1	278.0	277.4	276.8	276.4	276.7	277.1	278.3
26°	279.7	279.1	*278.2*	277.5	276.3	275.7	275.1	274.7	274.9	275.4	276.6
26.5°	278.1	276.4	*277.2*	275.8	274.7	274.2	273.5	273.3	273.3	274.2	274.9
27°	276.2	277.8	*274.7*	274.1	273.4	272.4	271.5	271.4	271.5	272.0	273.4
27.5°	274.8	273.6	*273.5*	272.5	271.5	270.8	270.2	269.9	269.8	270.8	271.7
28°	273.0	272.2	*272.0*	270.6	270.1	269.0	268.3	267.9	268.2	269.2	269.7
28.5°	271.3	270.8	*269.7*	269.0	268.0	267.1	266.6	266.6	266.5	265.8	268.3
29°	269.6	269.5	*268.5*	267.4	266.0	265.4	264.9	264.6	264.7	266.3	266.7
29.5°	268.0	267.0	*266.2*	265.0	265.3	263.8	263.1	262.8	262.9	263.6	264.4
30°	266.2	266.2	*264.6*	264.3	262.4	261.8	261.6	261.0	261.2	261.9	263.1
30.5°	264.3	264.1	*262.6*	261.5	261.0	260.1	259.4	259.3	259.1	260.0	261.2
31°	262.6	263.1	*261.6*	260.3	259.1	258.4	257.7	257.2	257.3	258.3	259.5
31.5°	260.7	259.2	*258.8*	258.1	257.3	256.3	255.6	255.6	255.6	256.2	257.4
32°	258.9	259.0	*257.5*	256.3	255.4	254.4	253.9	253.7	253.6	254.6	255.8
32.5°	257.0	256.0	*255.5*	255.3	253.2	252.6	251.8	251.3	251.9	252.2	253.6
33°	255.2	254.8	*254.4*	251.7	251.8	250.6	249.7	250.2	249.8	250.4	251.7
33.5°	253.2	252.7	*251.6*	250.9	249.5	248.7	248.6	247.8	247.8	248.8	249.5
34°	251.4	250.6	*250.3*	248.2	247.5	246.8	246.0	245.8	245.9	246.9	248.3
34.5°	249.2	249.0	*247.0*	246.8	245.9	244.8	242.7	243.9	243.9	244.6	246.0
35°	247.3	246.8	*246.1*	244.8	243.3	242.7	244.4	241.9	242.0	242.9	243.9
35.5°	245.5	244.8	*243.3*	242.4	242.0	240.8	240.2	239.7	239.9	240.3	241.9
36°	243.4	242.7	*241.2*	240.6	240.2	238.8	238.4	237.8	237.9	240.2	239.9
36.5°	241.5	240.8	*240.4*	238.6	237.8	236.8	235.9	235.8	235.8	236.7	238.0
37°	239.4	238.6	*237.7*	236.5	235.6	234.6	234.2	233.9	233.7	234.2	235.5
37.5°	237.5	236.7	*235.5*	234.4	233.3	232.7	231.9	231.4	231.7	232.3	233.9
38°	235.3	233.8	*233.7*	232.3	231.5	230.4	229.9	229.6	229.6	230.9	231.3
38.5°	233.3	232.6	*231.3*	230.1	229.2	228.1	227.7	227.5	227.5	228.4	229.8
39°	230.9	230.9	*228.8*	228.3	227.4	226.1	225.6	225.3	225.5	226.1	227.3
39.5°	229.1	227.7	*227.6*	225.7	225.0	224.2	223.5	223.0	223.2	224.4	225.2
40°	226.8	226.5	*224.6*	223.6	222.9	221.9	221.3	220.9	221.2	222.3	223.3
40.5°	224.6	224.5	*222.9*	221.6	220.5	219.7	219.4	218.9	219.0	219.1	220.9
41°	222.4	221.0	*220.4*	219.2	218.7	217.6	216.7	216.4	216.7	218.2	219.0
41.5°	220.4	220.2	*218.3*	217.1	216.3	215.4	214.6	214.5	214.5	215.5	216.6
42°	217.9	216.6	*216.6*	214.7	214.2	213.1	212.8	212.2	212.5	213.4	214.3
42.5°	216.0	215.5	*214.1*	212.7	211.8	211.1	210.2	209.9	210.2	210.9	212.6
43°	213.7	212.2	*211.9*	210.6	210.0	208.6	208.2	207.8	207.9	209.0	210.2
43.5°	211.3	211.0	*209.6*	208.0	207.2	206.3	206.6	205.4	205.5	206.5	207.6
44°	209.2	208.0	*207.3*	205.9	205.1	204.1	203.2	203.0	203.6	204.2	205.5
44.5°	207.0	206.5	*204.8*	203.5	202.8	201.8	201.4	201.2	201.1	202.3	203.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	204.6	204.1	*203.2*	201.2	200.6	199.6	199.1	198.2	198.9	199.4	201.0
45.5°	202.4	201.5	*200.7*	198.9	198.5	197.3	196.6	196.7	196.5	198.0	198.7
46°	200.0	199.5	*197.4*	196.5	196.0	194.9	194.4	194.1	194.2	195.2	196.7
46.5°	197.7	197.0	*196.4*	194.5	193.7	192.6	192.1	191.8	191.9	192.9	194.1
47°	195.4	194.6	*193.3*	191.9	191.4	190.3	189.7	189.1	189.7	190.6	192.1
47.5°	193.1	192.5	*190.8*	189.7	189.1	187.9	187.8	187.4	187.2	188.1	189.4
48°	190.7	190.2	*189.0*	187.3	186.5	185.6	185.2	184.4	184.8	185.9	187.3
48.5°	188.4	187.6	*186.3*	184.9	184.5	183.2	182.5	182.3	182.7	183.7	184.8
49°	186.1	185.3	*184.5*	182.7	182.1	180.8	180.9	180.2	180.3	181.1	182.4
49.5°	183.7	183.0	*181.4*	180.3	179.7	178.6	178.0	177.3	177.8	179.0	180.2
50°	181.3	180.5	*179.5*	177.9	177.3	176.0	175.5	175.8	175.6	176.4	177.8
50.5°	179.0	178.4	*177.0*	175.6	175.1	173.8	173.5	173.0	173.1	174.5	175.4
51°	176.5	175.8	*174.6*	173.2	172.7	171.4	171.4	170.7	170.8	171.7	173.2
51.5°	174.2	173.4	*172.1*	170.7	170.5	169.1	168.1	168.2	168.4	169.0	170.8
52°	171.7	172.1	*169.6*	168.8	167.9	166.7	167.0	166.6	166.1	168.2	168.4
52.5°	169.5	168.3	*167.5*	167.1	165.7	164.6	163.9	163.6	163.6	164.6	165.8
53°	167.1	166.6	*165.2*	162.7	163.3	162.1	161.6	161.1	161.3	162.8	164.0
53.5°	164.8	164.2	*162.7*	161.9	160.9	159.7	159.1	158.9	159.0	160.0	161.4
54°	162.2	161.8	*160.7*	158.8	158.4	157.3	156.9	156.5	156.6	157.4	158.9
54.5°	160.0	159.6	*157.8*	156.7	156.0	155.0	154.3	154.0	154.3	155.4	156.7
55°	157.6	156.6	*155.6*	154.9	153.6	152.7	152.0	151.6	152.0	152.7	154.3
55.5°	155.4	154.7	*153.3*	151.3	151.0	150.2	149.5	149.2	149.6	150.4	151.8
56°	152.7	152.0	*151.0*	149.4	148.9	147.9	147.0	147.0	147.2	148.2	150.1
56.5°	150.5	149.4	*147.9*	147.4	146.4	145.6	144.6	144.3	144.9	145.6	147.1
57°	148.0	147.0	*146.4*	143.9	143.7	143.0	142.3	142.1	142.5	144.0	144.8
57.5°	145.7	144.6	*143.4*	142.5	141.5	140.7	139.9	139.6	140.1	140.9	142.4
58°	143.2	142.2	*141.1*	139.8	138.9	138.2	137.2	137.4	137.7	138.3	140.4
58.5°	140.9	139.8	*139.2*	136.9	136.7	135.8	135.2	134.5	135.4	136.1	137.3
59°	138.4	137.0	*136.1*	135.1	134.2	133.4	132.5	132.7	132.9	133.8	135.7
59.5°	136.1	134.6	*134.0*	132.5	131.8	131.0	130.1	130.2	130.5	131.4	132.5
60°	133.5	132.4	*132.3*	129.8	129.4	128.5	127.7	127.5	128.1	128.6	131.1
60.5°	131.0	129.8	*128.3*	127.6	126.9	126.1	125.4	124.9	125.6	126.7	128.3
61°	128.6	127.5	*126.8*	125.0	124.5	123.7	122.9	122.8	123.2	124.1	125.5
61.5°	126.2	125.4	*124.0*	122.4	122.0	121.1	120.5	120.5	120.8	121.6	123.4
62°	123.7	122.2	*121.7*	120.2	119.6	118.7	118.1	117.8	118.4	119.2	120.9
62.5°	121.2	120.1	*119.1*	117.8	117.2	116.4	115.6	115.5	115.9	116.9	118.8
63°	118.7	117.7	*116.6*	114.9	114.6	113.8	113.1	113.3	113.5	114.5	115.9
63.5°	116.3	115.1	*114.2*	112.4	112.2	111.4	110.6	110.5	111.1	112.0	113.7
64°	113.8	113.0	*111.7*	110.3	109.7	108.9	108.2	108.4	108.7	109.7	111.0
64.5°	111.3	110.1	*109.2*	107.8	107.3	106.5	105.9	105.5	106.3	107.4	108.8
65°	108.9	107.9	*106.7*	105.0	104.8	103.9	103.3	103.3	103.9	104.7	106.3
65.5°	106.4	105.9	*104.3*	102.8	102.4	101.5	100.9	101.0	101.5	102.5	103.6
66°	103.9	102.9	*101.7*	100.3	100.0	99.2	98.6	98.4	99.0	100.2	101.4
66.5°	101.5	100.8	*99.3*	98.2	97.5	96.5	95.8	95.9	96.6	97.3	98.8
67°	99.0	98.0	*96.8*	95.2	95.0	94.3	93.7	94.0	94.1	95.3	96.7

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

Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	96.5	95.9	*94.4*	93.2	93.0	91.8	91.2	91.0	91.7	93.0	93.6
68°	94.0	93.0	*91.9*	90.7	90.2	89.3	88.8	88.6	89.4	90.0	92.7
68.5°	91.7	91.1	*89.4*	88.0	88.0	86.9	86.4	86.4	87.0	88.4	89.1
69°	89.2	88.4	*87.0*	85.6	85.7	84.5	84.1	84.0	84.6	85.6	86.8
69.5°	86.7	85.9	*84.5*	83.3	83.3	82.1	81.7	81.7	82.2	83.2	84.8
70°	84.3	83.5	*82.1*	81.0	80.9	79.8	79.3	79.3	79.8	80.9	82.8
70.5°	81.8	81.2	*79.8*	78.4	78.5	77.4	77.0	76.9	77.4	78.5	80.8
71°	79.5	78.8	*77.3*	76.2	76.1	75.0	74.6	74.6	75.0	76.1	78.8
71.5°	77.1	76.6	*74.9*	73.7	73.8	72.5	72.2	72.3	72.7	73.9	73.7
72°	74.6	74.0	*72.6*	71.6	71.5	70.2	69.9	69.9	70.3	71.5	73.2
72.5°	72.2	71.7	*70.2*	69.0	69.0	67.8	67.6	67.6	68.1	69.2	70.4
73°	69.9	69.3	*67.8*	66.8	67.2	65.5	65.2	65.3	65.7	66.9	67.7
73.5°	67.5	66.9	*65.4*	64.5	64.3	63.1	63.0	63.1	63.3	64.6	65.6
74°	65.2	64.7	*63.2*	62.1	62.0	60.8	60.7	60.7	61.1	62.4	63.7
74.5°	62.8	62.3	*60.8*	59.8	59.8	58.5	58.3	58.5	58.8	60.0	60.7
75°	60.5	60.2	*58.6*	57.8	57.6	56.2	56.2	56.3	56.5	57.9	58.9
75.5°	58.2	57.4	*56.4*	55.2	55.7	54.0	53.9	53.9	54.3	55.4	56.4
76°	55.9	55.6	*54.1*	53.1	52.9	51.7	51.7	51.8	52.1	53.4	54.4
76.5°	53.6	53.2	*51.8*	50.8	50.8	49.5	49.5	49.9	49.8	51.1	52.2
77°	51.4	50.8	*49.7*	48.8	48.8	47.3	47.3	46.6	47.7	49.0	49.5
77.5°	49.2	48.7	*47.4*	46.3	46.5	45.1	45.0	46.3	45.5	46.8	48.2
78°	46.9	46.5	*45.3*	44.4	44.3	43.0	43.0	43.1	43.4	44.7	45.4
78.5°	44.8	44.2	*43.1*	42.1	42.2	40.9	40.8	40.6	41.2	42.4	43.4
79°	42.6	41.9	*40.9*	39.9	40.0	38.7	38.6	38.6	39.1	40.4	41.5
79.5°	40.4	40.2	*38.8*	37.9	37.8	36.7	36.6	37.1	37.0	38.1	39.2
80°	38.2	37.6	*36.6*	35.3	35.8	34.6	34.4	33.9	34.9	36.3	37.1
80.5°	36.2	35.4	*34.6*	33.4	33.7	32.6	32.4	32.5	32.9	34.0	35.1
81°	34.2	33.4	*32.6*	31.4	31.6	30.6	30.4	30.8	30.8	32.1	33.0
81.5°	32.1	31.4	*30.5*	29.5	29.5	28.5	28.4	28.2	28.8	30.0	30.9
82°	30.0	29.4	*28.5*	27.5	27.5	26.5	26.4	26.5	26.8	27.9	29.0
82.5°	28.0	27.4	*26.4*	25.4	25.5	24.6	24.4	24.5	24.8	26.0	27.0
83°	25.9	25.4	*24.4*	23.5	23.5	22.6	22.5	22.4	22.9	24.1	25.0
83.5°	23.9	23.3	*22.4*	21.7	21.5	20.7	20.6	20.8	21.0	22.1	23.1
84°	22.0	21.4	*20.5*	19.5	19.6	18.9	18.7	18.6	19.1	20.2	21.2
84.5°	20.0	19.5	*18.5*	17.6	17.7	17.0	16.8	16.9	17.3	18.3	19.2
85°	18.1	17.5	*16.7*	15.8	15.8	15.1	15.0	15.1	15.5	16.4	17.3
85.5°	16.2	15.5	*14.8*	13.9	13.9	13.3	13.2	13.2	13.6	14.6	15.7
86°	14.3	13.8	*13.0*	12.1	12.1	11.5	11.5	11.5	11.9	12.8	13.7
86.5°	12.5	11.9	*11.2*	10.4	10.3	9.7	9.7	9.8	10.2	11.0	11.9
87°	10.8	10.2	*9.6*	8.7	8.5	8.0	7.9	8.0	8.4	9.3	10.2
87.5°	9.1	8.6	*7.9*	6.9	6.7	6.2	6.2	6.3	6.7	7.5	8.4
88°	7.5	6.8	*6.0*	5.0	4.8	4.4	4.4	4.6	5.0	5.8	6.6
88.5°	5.8	4.9	*3.9*	2.8	3.0	2.7	2.7	2.8	3.3	4.1	4.9
89°	3.8	3.0	*3.0*	2.1	1.3	1.1	1.3	1.5	1.9	2.4	3.1
89.5°	2.9	2.3	*2.0*	1.4	0.3	0.4	0.5	0.8	1.0	1.3	1.7

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.0	1.5	*1.0*	0.7	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°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.0	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°	0.0	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: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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	0.2
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
130.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
131°	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
131.5°	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2
132°	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
132.5°	0.2	0.1	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: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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	0.3
151.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.2	0.2	0.2	0.3	0.3
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.2	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: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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	0.3	0.2	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.2	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	0.2
177°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	321.9	321.9	321.9	321.9	321.9	321.9
0.5°	322.2	321.5	321.9	322.5	322.1	322.1
1°	323.6	321.6	321.7	321.4	321.9	321.9
1.5°	320.7	321.3	321.7	322.2	321.9	321.9
2°	322.6	321.3	321.5	321.7	321.8	322.0
2.5°	*320.5*	*321.1*	*321.6*	*321.4*	*321.7*	*321.7*
3°	323.1	320.8	321.2	321.5	321.5	321.9
3.5°	321.2	320.7	321.2	321.3	321.7	321.5
4°	321.5	320.6	320.8	321.5	321.1	321.2
4.5°	321.3	320.1	320.8	320.6	321.2	321.1
5°	320.6	319.9	320.2	320.7	320.6	320.6
5.5°	320.3	319.4	320.1	320.7	320.5	320.4
6°	319.8	319.2	319.4	319.6	320.0	320.1
6.5°	320.1	318.6	319.2	319.6	319.6	319.3
7°	318.5	318.2	318.8	318.8	319.4	319.3
7.5°	319.5	317.6	318.1	318.7	318.5	319.0
8°	317.3	317.1	317.6	318.1	318.3	318.1
8.5°	318.1	316.6	317.2	317.4	317.9	317.7
9°	316.2	315.9	316.6	316.8	317.0	317.2
9.5°	316.3	315.3	315.9	316.4	316.4	316.6
10°	316.2	314.6	315.2	315.7	316.0	316.1
10.5°	313.9	313.9	314.7	314.9	315.4	315.5
11°	314.1	313.2	314.0	314.1	314.9	314.7
11.5°	312.9	312.4	313.1	313.9	313.2	313.8
12°	312.4	311.6	312.3	312.8	313.3	313.3
12.5°	311.7	310.8	311.6	312.0	312.1	312.5
13°	310.5	309.8	310.7	310.8	312.0	311.7
13.5°	309.8	309.0	310.0	310.0	310.2	310.7
14°	308.8	307.9	308.9	309.5	309.8	310.0
14.5°	307.9	307.0	307.9	308.5	309.0	308.7
15°	306.7	306.3	307.0	307.9	312.0	308.0
15.5°	306.0	305.1	306.0	306.4	305.4	306.7
16°	304.7	304.1	304.9	305.6	306.1	306.1
16.5°	303.6	303.0	304.0	304.5	305.0	304.8
17°	302.7	301.8	302.8	303.5	303.5	303.7
17.5°	301.5	300.6	301.7	302.4	302.6	302.7
18°	300.3	299.9	300.4	301.2	301.7	301.7
18.5°	299.1	298.2	299.4	299.9	301.2	300.3
19°	297.9	297.1	298.1	298.3	299.0	299.1
19.5°	296.6	296.0	297.0	297.9	297.7	298.0
20°	295.3	294.6	295.7	296.2	296.8	296.7
20.5°	293.9	293.2	294.4	295.1	294.9	295.6
21°	292.5	291.9	293.0	293.7	294.1	294.2
21.5°	291.3	290.5	291.8	292.4	292.3	292.8
22°	289.8	289.2	290.4	291.1	292.1	291.4

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

Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	288.5	287.6	288.9	289.4	292.7	290.1
23°	287.0	286.4	287.4	288.6	286.2	288.7
23.5°	285.5	285.0	286.2	286.8	288.0	287.3
24°	284.0	283.5	284.4	285.3	286.2	285.7
24.5°	282.4	281.7	283.1	283.9	283.6	284.1
25°	281.2	280.2	281.5	282.4	283.0	282.7
25.5°	279.3	278.8	279.9	281.0	282.1	281.3
26°	277.8	277.1	278.3	278.8	278.8	279.7
26.5°	276.1	275.5	276.7	277.8	279.5	278.1
27°	274.4	274.0	275.1	276.0	277.3	276.2
27.5°	272.9	272.2	273.5	274.2	274.1	274.8
28°	271.2	270.6	271.9	272.6	272.5	273.0
28.5°	269.3	268.8	270.1	270.9	270.8	271.3
29°	267.7	267.1	268.2	269.3	269.6	269.6
29.5°	265.8	265.3	266.6	267.4	268.2	268.0
30°	264.3	263.6	264.9	265.8	265.8	266.2
30.5°	262.3	261.8	263.1	263.9	264.3	264.3
31°	260.5	259.9	261.2	262.2	262.5	262.6
31.5°	258.7	258.2	259.5	260.7	261.1	260.7
32°	256.8	256.2	257.5	258.3	265.4	258.9
32.5°	254.9	254.4	255.9	256.8	253.4	257.0
33°	253.0	252.4	253.7	255.1	255.8	255.2
33.5°	251.2	250.6	251.9	252.7	254.2	253.2
34°	249.1	248.7	249.9	250.8	250.8	251.4
34.5°	247.2	246.6	248.1	249.1	249.5	249.2
35°	245.3	244.8	246.0	247.0	248.0	247.3
35.5°	243.2	242.9	244.1	244.8	244.9	245.5
36°	241.4	240.7	242.2	243.1	244.1	243.4
36.5°	239.2	238.7	240.2	240.9	241.3	241.5
37°	237.1	236.7	238.0	238.9	239.7	239.4
37.5°	235.2	234.8	236.1	236.8	236.5	237.5
38°	233.1	232.5	233.8	234.8	235.5	235.3
38.5°	231.0	230.6	231.9	232.8	233.0	233.3
39°	228.9	228.4	229.9	230.6	231.1	230.9
39.5°	226.8	226.4	227.6	228.6	229.2	229.1
40°	224.7	224.3	225.4	226.5	226.6	226.8
40.5°	222.6	221.9	223.4	224.3	225.3	224.6
41°	220.4	219.9	221.2	222.0	222.3	222.4
41.5°	218.1	217.6	219.0	219.9	221.0	220.4
42°	216.0	215.4	216.8	217.7	217.9	217.9
42.5°	213.8	213.4	214.6	215.6	215.9	216.0
43°	211.5	210.8	212.5	213.2	213.4	213.7
43.5°	209.2	208.8	210.2	211.3	212.0	211.3
44°	207.0	206.6	208.0	208.8	209.2	209.2
44.5°	204.7	204.2	205.7	206.7	206.8	207.0

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

Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	202.7	202.1	203.4	204.2	204.9	204.6
45.5°	200.1	199.8	201.1	202.0	202.5	202.4
46°	197.9	197.5	198.9	199.8	200.2	200.0
46.5°	195.9	195.0	196.5	197.6	197.7	197.7
47°	193.4	193.0	194.2	195.1	196.0	195.4
47.5°	191.0	190.5	191.9	192.9	192.7	193.1
48°	188.7	188.3	189.7	190.5	191.5	190.7
48.5°	186.4	185.8	187.2	188.2	187.2	188.4
49°	184.0	183.6	184.9	185.9	187.2	186.1
49.5°	181.7	181.2	182.6	183.6	183.6	183.7
50°	179.4	179.0	180.2	181.1	181.2	181.3
50.5°	177.0	176.5	177.7	178.9	179.1	179.0
51°	174.5	174.2	175.4	176.5	176.9	176.5
51.5°	172.4	171.9	173.0	174.2	174.2	174.2
52°	169.9	169.5	170.6	171.8	172.3	171.7
52.5°	167.7	167.2	168.3	169.5	169.9	169.5
53°	165.2	164.9	166.0	167.1	167.2	167.1
53.5°	163.0	162.5	163.6	164.7	165.2	164.8
54°	160.4	160.1	161.2	162.3	162.1	162.2
54.5°	157.9	157.7	159.0	159.9	160.5	160.0
55°	156.2	155.4	156.6	157.5	157.6	157.6
55.5°	153.6	153.0	154.4	155.0	155.7	155.4
56°	151.0	150.6	152.0	153.0	152.8	152.7
56.5°	148.7	148.2	149.6	150.1	150.7	150.5
57°	146.3	145.9	147.2	147.9	147.9	148.0
57.5°	144.0	143.4	144.8	145.4	145.8	145.7
58°	141.5	141.0	142.5	143.0	143.1	143.2
58.5°	139.2	138.6	140.2	140.5	140.7	140.9
59°	136.7	136.1	137.6	138.3	138.5	138.4
59.5°	134.4	133.7	135.3	135.8	136.4	136.1
60°	131.9	131.4	132.9	133.3	133.5	133.5
60.5°	129.5	128.8	130.4	130.9	131.0	131.0
61°	127.1	126.5	128.0	128.6	128.9	128.6
61.5°	124.7	124.1	125.5	126.0	126.3	126.2
62°	122.4	121.7	123.1	123.7	123.9	123.7
62.5°	119.9	119.2	120.7	121.1	121.4	121.2
63°	117.4	116.8	118.1	118.8	119.1	118.7
63.5°	114.9	114.5	115.7	116.2	116.5	116.3
64°	112.6	112.1	113.3	113.8	114.0	113.8
64.5°	110.1	109.5	110.8	111.3	111.5	111.3
65°	107.7	107.2	108.3	108.8	109.1	108.9
65.5°	105.2	104.8	105.9	106.3	106.5	106.4
66°	102.8	102.2	103.4	103.8	104.1	103.9
66.5°	100.4	99.9	101.0	101.3	101.6	101.5
67°	97.9	97.4	98.4	99.0	99.3	99.0

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

Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	95.5	95.3	96.1	96.4	96.6	96.5
68°	93.0	92.6	93.6	94.0	94.3	94.0
68.5°	90.6	90.2	91.2	91.6	91.9	91.7
69°	88.2	87.9	88.7	89.2	89.5	89.2
69.5°	85.8	85.5	86.3	86.7	87.0	86.7
70°	83.4	82.9	83.9	84.4	84.5	84.3
70.5°	81.0	80.8	81.5	81.9	82.1	81.8
71°	78.7	78.5	79.0	79.6	79.8	79.5
71.5°	76.3	75.8	76.7	77.3	77.4	77.1
72°	74.0	73.8	74.3	74.9	75.0	74.6
72.5°	71.7	71.4	72.0	72.5	72.7	72.2
73°	69.3	69.1	69.6	70.3	70.3	69.9
73.5°	67.0	66.7	67.3	67.9	68.0	67.5
74°	64.8	64.5	64.9	65.6	65.6	65.2
74.5°	62.5	62.1	62.6	63.2	63.3	62.8
75°	60.2	60.0	60.3	61.1	61.0	60.5
75.5°	58.0	57.7	58.1	58.7	58.8	58.2
76°	55.7	55.4	55.7	56.5	56.4	55.9
76.5°	53.5	53.2	53.5	54.2	54.2	53.6
77°	51.4	51.0	51.3	51.9	51.9	51.4
77.5°	49.1	48.8	49.1	49.7	49.7	49.2
78°	46.9	46.7	46.9	47.5	47.5	46.9
78.5°	44.8	44.4	44.8	45.3	45.2	44.8
79°	42.6	42.3	42.6	43.1	43.1	42.6
79.5°	40.5	40.1	40.4	40.9	40.8	40.4
80°	38.4	38.1	38.3	38.7	38.7	38.2
80.5°	36.3	36.1	36.3	36.7	36.5	36.2
81°	34.2	34.0	34.3	34.6	34.5	34.2
81.5°	32.1	32.0	32.2	32.6	32.4	32.1
82°	30.1	29.9	30.2	30.5	30.4	30.0
82.5°	28.1	27.9	28.1	28.4	28.3	28.0
83°	26.0	25.8	26.1	26.4	26.3	25.9
83.5°	24.1	23.8	24.1	24.4	24.3	23.9
84°	22.1	21.9	22.2	22.4	22.4	22.0
84.5°	20.2	19.9	20.3	20.5	20.4	20.0
85°	18.3	18.0	18.4	18.6	18.5	18.1
85.5°	16.4	16.1	16.5	16.7	16.6	16.2
86°	14.6	14.2	14.6	14.8	14.8	14.3
86.5°	12.8	12.4	12.8	13.0	12.9	12.5
87°	11.0	10.6	11.1	11.2	11.1	10.8
87.5°	9.3	8.9	9.4	9.5	9.4	9.1
88°	7.5	7.3	7.8	7.9	7.8	7.5
88.5°	5.7	5.6	6.1	6.2	6.1	5.8
89°	4.0	3.7	4.3	4.4	4.2	3.8
89.5°	2.3	2.8	3.4	3.5	3.4	2.9

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

Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	1.1	1.9	2.6	2.6	2.5	2.0
90.5°	0.4	1.0	1.7	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	0.0
92°	0.1	0.1	0.1	0.1	0.1	0.0
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	0.0
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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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	0.2	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°	0.1	0.1	0.1	0.2	0.1	0.1
127.5°	0.1	0.1	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	0.1	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	0.1
131.5°	0.2	0.2	0.2	0.2	0.2	0.1
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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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°	0.3	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	0.2	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: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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	0.3	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	0.2	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	0.3	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	0.3	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	0.3	0.4	0.3	0.2
172.5°	0.3	0.2	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	0.2	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: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-3000K

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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Peachtree City, GA 30269

TEST NUMBER: P1596624
CATALOG NUMBER: HLB3LSFS5-MED-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	27.63	29.27	28.00	29.58	29.90	27.45	29.08	27.82	29.40	29.72
	3H	29.48	30.96	29.86	31.29	31.65	29.25	30.73	29.63	31.06	31.42
	4H	30.20	31.59	30.60	31.94	32.32	29.94	31.33	30.34	31.68	32.06
	6H	30.76	32.05	31.17	32.42	32.81	30.47	31.76	30.88	32.13	32.52
	8H	30.96	32.19	31.38	32.58	32.98	30.65	31.88	31.07	32.27	32.67
	12H	31.06	32.24	31.49	32.62	33.06	30.73	31.91	31.16	32.30	32.73
4H	2H	28.27	29.66	28.67	30.01	30.39	28.09	29.48	28.48	29.83	30.21
	3H	30.34	31.51	30.75	31.91	32.31	30.11	31.28	30.52	31.67	32.08
	4H	31.19	32.25	31.63	32.67	33.11	30.92	31.98	31.36	32.40	32.84
	6H	31.89	32.82	32.35	33.26	33.72	31.58	32.51	32.04	32.95	33.41
	8H	32.15	33.02	32.61	33.46	33.93	31.81	32.68	32.28	33.13	33.59
	12H	32.32	33.10	32.80	33.58	34.05	31.96	32.74	32.44	33.22	33.69
8H	4H	31.52	32.39	31.98	32.84	33.30	31.25	32.12	31.71	32.56	33.03
	6H	32.36	33.08	32.85	33.57	34.05	32.04	32.76	32.53	33.25	33.73
	8H	32.70	33.35	33.21	33.86	34.35	32.35	32.99	32.86	33.50	33.99
	12H	32.97	33.54	33.48	34.03	34.60	32.57	33.15	33.08	33.64	34.20
12H	4H	31.56	32.34	32.04	32.82	33.29	31.29	32.07	31.77	32.55	33.02
	6H	32.43	33.08	32.94	33.59	34.07	32.10	32.76	32.61	33.26	33.75
	8H	32.83	33.41	33.34	33.90	34.46	32.47	33.05	32.98	33.54	34.10

END OF REPORT