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: P1596584

Luminaire Tested: HLB2LSFS5-HI-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:	P1596584
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (A2600263A001)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	10/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	HALO
Catalog Number:	HLB2LSFS5-HI-3000K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	3000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

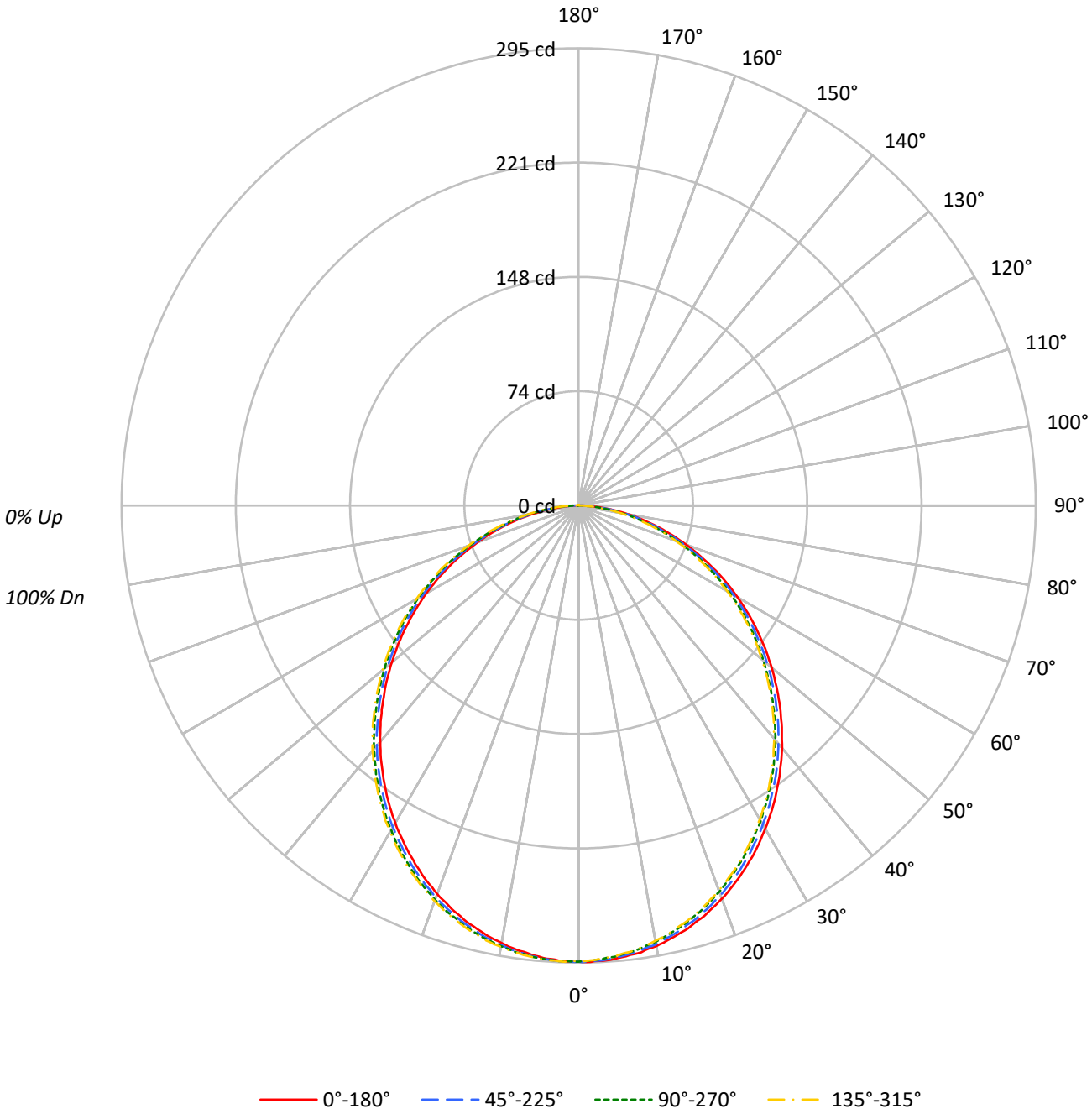
Lumens per Lamp:	N/A
Luminaire Lumens:	785.0 lumens
Efficiency:	N/A
Efficacy:	95.7 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	202809	202809	202809	202809
5°	202685	201717	202063	202754
10°	202021	199992	200552	202021
15°	200264	197483	198553	200550
20°	198011	194492	195592	198524
25°	194967	190863	192003	195879
30°	191627	186934	188047	192422
35°	187707	182324	183838	188884
40°	183723	177608	179137	184713
45°	178968	172245	173999	180039
50°	174155	166760	168689	175012
55°	168867	161060	162862	170188
60°	163129	154725	156378	164507
65°	156485	147031	148824	157626
70°	148445	137569	139583	149049
75°	139205	125897	128026	139205
80°	127346	110287	112271	126156
85°	108287	82993	82993	105915

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 182183 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	3.5
10°-20°	78.7	10.0
20°-30°	117.2	14.9
30°-40°	138.1	17.6
40°-50°	139.6	17.8
50°-60°	123.4	15.7
60°-70°	92.5	11.8
70°-80°	53.0	6.7
80°-90°	13.9	1.8
90°-100°	0.1	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°	223.7	28.5
0°-40°	361.8	46.1
0°-60°	624.8	79.6
0°-90°	784.3	99.9
90°-120°	0.3	0.0
90°-150°	0.6	0.1
90°-180°	1.0	0.1
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	294	294	294	294	294	
5°	293	292	292	293	293	28
15°	281	277	278	281	281	79
25°	256	251	253	258	256	118
35°	223	217	219	225	223	140
45°	184	177	179	185	184	142
55°	141	134	136	142	141	126
65°	96	90	91	97	96	95
75°	52	47	48	52	52	55
85°	14	10	10	13	14	15
90°	0	0	0	1	0	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°	294.4	*294.4*	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4
0.5°	294.6	*294.6*	294.7	294.5	294.1	293.9	294.3	294.1	294.4	294.6	294.5
1°	*294.7*	*294.9*	*294.4*	*294.3*	*294.0*	*293.8*	*293.9*	*294.1*	*294.3*	*294.7*	*294.4*
1.5°	294.6	*294.6*	294.1	294.1	293.9	293.5	293.7	294.0	294.3	294.5	294.4
2°	294.3	*294.2*	294.0	294.1	293.6	293.3	293.5	293.7	294.2	294.1	294.4
2.5°	294.2	*294.3*	294.0	294.0	293.3	293.1	293.1	293.4	294.0	293.9	294.2
3°	294.2	*294.1*	293.9	293.6	293.0	292.8	292.8	293.3	293.5	293.7	294.1
3.5°	294.1	*293.7*	293.6	293.0	292.5	292.5	292.4	293.0	293.2	293.9	293.8
4°	293.9	*293.4*	293.3	292.9	292.4	292.3	292.3	292.6	293.2	293.6	293.5
4.5°	293.6	*293.3*	292.9	292.8	292.2	291.8	292.1	292.0	292.8	293.2	293.3
5°	293.1	*293.1*	292.5	292.5	291.7	291.1	291.4	291.6	292.2	292.7	293.0
5.5°	292.8	*292.6*	292.1	291.8	291.1	290.7	290.7	291.4	291.9	292.3	292.7
6°	292.5	*292.0*	291.7	291.3	290.6	290.3	290.3	291.0	291.5	291.9	292.3
6.5°	292.0	*291.7*	291.3	291.0	290.2	289.7	290.0	290.4	290.8	291.6	291.9
7°	291.7	*291.5*	291.0	290.5	289.8	289.0	289.5	289.9	290.2	290.9	291.3
7.5°	291.6	*291.0*	290.6	290.0	289.3	288.5	288.8	289.2	289.9	290.5	290.8
8°	291.1	*290.2*	289.7	289.2	288.5	287.9	288.1	288.7	289.4	290.0	290.5
8.5°	290.1	*289.8*	288.9	288.6	287.7	287.1	287.6	288.0	288.7	289.4	290.0
9°	289.4	*289.3*	288.5	288.1	287.1	286.6	286.9	287.2	288.2	288.8	289.4
9.5°	289.2	*288.5*	288.1	287.5	286.6	285.9	286.1	286.7	287.5	288.2	288.6
10°	288.8	*287.9*	287.5	286.8	285.9	285.0	285.3	286.0	286.7	287.4	288.0
10.5°	288.0	*287.4*	286.6	285.8	285.1	284.2	284.5	285.1	285.9	286.8	287.4
11°	287.3	*286.7*	285.7	285.1	284.4	283.5	283.8	284.4	285.3	286.1	286.7
11.5°	286.5	*286.0*	284.9	284.5	283.5	282.6	282.9	283.6	284.6	285.3	285.8
12°	285.8	*285.0*	284.3	283.7	282.6	281.7	282.1	282.8	283.8	284.4	285.3
12.5°	285.1	*284.1*	283.4	282.7	281.7	280.7	281.2	281.9	282.8	283.7	284.5
13°	284.2	*283.5*	282.6	281.8	280.8	279.8	280.1	281.0	281.9	282.9	283.6
13.5°	283.3	*282.7*	281.8	280.9	279.9	279.1	279.1	280.1	281.0	282.0	282.7
14°	282.7	*281.8*	280.8	280.1	279.1	278.1	278.3	278.9	280.0	280.9	281.9
14.5°	281.9	*280.8*	279.6	279.1	278.0	276.8	277.4	278.0	279.2	280.0	280.9
15°	280.8	*279.9*	278.8	278.1	276.9	275.6	276.3	277.1	278.4	279.2	280.0
15.5°	279.7	*279.1*	278.0	277.0	275.8	274.8	275.1	276.2	277.2	278.2	279.0
16°	278.6	*278.0*	276.9	275.8	274.8	273.7	274.1	275.0	276.0	277.1	278.1
16.5°	277.9	*276.8*	275.5	274.8	273.9	272.5	273.0	273.9	274.9	276.0	277.0
17°	277.0	*275.7*	274.5	273.8	272.6	271.4	271.9	272.6	273.9	275.0	275.8
17.5°	275.8	*274.7*	273.7	272.8	271.4	270.2	270.7	271.6	272.8	274.0	274.8
18°	274.5	*273.6*	272.6	271.6	270.4	269.1	269.4	270.5	271.5	272.9	273.8
18.5°	273.5	*272.4*	271.3	270.3	269.2	267.6	268.1	269.2	270.3	271.6	272.6
19°	272.5	*271.3*	269.9	269.1	267.7	266.5	267.0	268.0	269.2	270.2	271.5
19.5°	271.2	*270.0*	268.8	267.8	266.4	265.2	265.8	266.8	268.2	269.1	270.3
20°	270.1	*268.9*	267.6	266.6	265.3	263.9	264.4	265.5	266.8	268.0	269.1
20.5°	268.9	*267.7*	266.4	265.2	264.0	262.5	263.0	264.1	265.4	266.7	267.8
21°	267.6	*266.3*	264.9	264.1	262.6	261.2	261.8	262.8	264.0	265.5	266.3
21.5°	266.3	*265.1*	263.5	262.7	261.1	260.0	260.4	261.3	262.8	264.1	265.2
22°	264.9	*263.7*	262.3	261.2	259.8	258.4	258.9	260.0	261.5	262.7	264.1

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TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	263.6	262.2	261.1	259.7	258.5	256.8	257.5	258.7	260.1	261.4	262.6
23°	262.3	260.9	259.6	258.5	257.1	255.4	256.1	257.2	258.6	260.0	261.2
23.5°	260.9	259.6	258.2	257.0	255.5	254.0	254.7	255.7	257.0	258.6	259.7
24°	259.5	258.3	256.8	255.7	253.9	252.6	253.2	254.2	255.6	257.1	258.4
24.5°	258.1	256.8	255.2	254.2	252.5	251.1	251.7	252.7	254.4	255.7	257.0
25°	256.5	255.3	253.6	252.6	251.1	249.6	250.0	251.4	252.6	254.3	255.5
25.5°	255.0	253.7	252.2	251.1	249.6	248.1	248.4	249.8	251.1	252.7	254.0
26°	253.7	252.3	250.8	249.7	247.9	246.4	247.1	248.1	249.7	250.9	252.5
26.5°	252.3	250.7	249.2	247.9	246.2	244.7	245.5	246.6	248.1	249.6	250.9
27°	250.6	249.1	247.4	246.3	245.0	243.1	243.7	245.1	246.5	248.4	249.3
27.5°	249.0	247.6	245.8	244.9	243.3	241.6	242.1	243.4	244.8	246.5	247.6
28°	247.5	246.1	244.3	243.3	241.4	239.8	240.6	241.6	243.2	244.7	246.2
28.5°	245.8	244.4	242.8	241.4	239.7	238.2	239.0	240.0	241.6	243.2	244.8
29°	244.1	242.7	241.2	239.8	238.1	236.6	237.2	238.5	240.1	241.6	243.2
29.5°	242.5	241.0	239.5	238.3	236.6	234.9	235.4	236.9	238.4	240.0	241.3
30°	240.9	239.3	237.6	236.6	235.0	233.1	233.9	235.2	236.4	238.2	239.6
30.5°	239.2	237.7	236.0	234.7	233.2	231.3	232.2	233.3	234.9	236.5	238.1
31°	237.5	236.0	234.3	233.1	231.2	229.7	230.3	231.4	233.3	234.9	236.4
31.5°	235.8	234.4	232.5	231.4	229.3	228.0	228.5	229.8	231.4	233.1	234.4
32°	234.1	232.6	230.8	229.5	227.7	226.0	226.8	228.0	229.6	231.2	232.8
32.5°	232.3	230.8	229.1	227.6	226.1	224.2	225.0	226.2	227.9	229.6	231.2
33°	230.5	228.8	227.2	225.9	224.3	222.4	223.1	224.4	226.1	227.8	229.3
33.5°	228.9	227.1	225.3	224.2	222.3	220.6	221.3	222.5	224.3	225.9	227.4
34°	227.0	225.3	223.5	222.4	220.4	218.7	219.5	220.6	222.4	224.1	225.6
34.5°	225.2	223.6	221.9	220.5	218.6	216.8	217.6	218.8	220.5	222.3	223.9
35°	223.2	221.7	219.9	218.6	216.8	215.0	215.7	216.9	218.6	220.3	222.1
35.5°	221.4	219.8	218.0	216.6	214.9	213.1	213.9	215.1	216.9	218.5	220.1
36°	219.6	217.8	216.2	214.7	213.1	211.1	212.0	213.2	214.9	216.7	218.1
36.5°	217.8	216.0	214.3	212.9	211.1	209.1	210.1	211.2	212.9	214.7	216.2
37°	215.8	214.1	212.3	211.2	209.2	207.3	208.1	209.3	211.0	212.8	214.4
37.5°	213.7	212.3	210.3	209.2	207.3	205.5	206.2	207.4	209.2	210.8	212.5
38°	211.9	210.3	208.4	207.1	205.2	203.4	204.2	205.4	207.3	208.9	210.6
38.5°	210.0	208.3	206.5	205.1	203.2	201.3	202.1	203.5	205.3	207.0	208.6
39°	208.1	206.4	204.5	203.3	201.3	199.4	200.2	201.6	203.2	205.1	206.6
39.5°	206.1	204.4	202.6	201.3	199.5	197.4	198.3	199.5	201.2	203.0	204.6
40°	204.3	202.3	200.6	199.2	197.5	195.5	196.3	197.4	199.2	201.0	202.5
40.5°	202.2	200.4	198.5	197.1	195.4	193.5	194.1	195.4	197.3	199.0	200.5
41°	199.9	198.4	196.6	195.2	193.3	191.4	192.0	193.3	195.2	197.0	198.6
41.5°	197.9	196.4	194.6	193.2	191.3	189.3	190.0	191.4	193.1	194.8	196.7
42°	196.0	194.2	192.5	191.1	189.3	187.2	188.1	189.4	191.1	192.8	194.5
42.5°	194.1	192.1	190.4	189.1	187.3	185.3	186.1	187.2	189.1	190.9	192.3
43°	192.0	190.1	188.5	187.1	185.2	183.2	184.0	185.1	186.9	188.8	190.3
43.5°	189.8	188.2	186.3	185.1	183.1	181.1	181.9	183.1	184.8	186.6	188.2
44°	187.8	186.0	184.2	183.0	180.9	179.0	179.8	180.9	182.9	184.4	186.2
44.5°	185.8	183.9	182.0	180.8	178.9	177.0	177.6	178.8	180.7	182.4	184.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	183.7	181.8	180.0	178.7	176.8	174.8	175.5	176.8	178.6	180.5	182.0
45.5°	181.6	179.7	178.0	176.6	174.7	172.7	173.6	174.8	176.4	178.3	180.0
46°	179.5	177.6	175.9	174.5	172.7	170.6	171.5	172.5	174.4	176.0	177.7
46.5°	177.4	175.5	173.7	172.4	170.5	168.6	169.3	170.4	172.3	173.9	175.5
47°	175.3	173.4	171.5	170.3	168.3	166.4	167.2	168.2	170.2	171.7	173.5
47.5°	173.1	171.3	169.4	168.2	166.1	164.3	165.1	166.1	168.1	169.6	171.4
48°	170.9	169.2	167.3	166.2	164.0	162.2	162.9	164.1	165.9	167.4	169.2
48.5°	168.8	167.0	165.3	164.0	161.9	160.1	160.8	161.9	163.7	165.4	167.0
49°	166.8	164.8	163.1	161.9	159.9	157.9	158.6	159.7	161.6	163.3	164.9
49.5°	164.7	162.8	160.9	159.8	157.7	155.8	156.6	157.4	159.6	161.2	162.7
50°	162.5	160.7	158.8	157.7	155.6	153.6	154.4	155.3	157.4	159.0	160.5
50.5°	160.2	158.6	156.7	155.6	153.5	151.5	152.2	153.3	155.2	156.7	158.5
51°	158.1	156.3	154.6	153.4	151.3	149.3	150.0	151.3	153.0	154.6	156.3
51.5°	156.0	154.2	152.4	151.0	149.2	147.1	148.0	149.1	150.8	152.5	154.1
52°	153.8	152.1	150.3	148.9	147.1	145.0	145.8	147.0	148.7	150.5	151.9
52.5°	151.7	149.9	148.1	146.9	145.0	142.9	143.6	144.8	146.6	148.3	149.8
53°	149.5	147.7	145.9	144.8	142.8	140.7	141.4	142.6	144.2	146.1	147.7
53.5°	147.2	145.6	143.8	142.5	140.7	138.5	139.1	140.5	142.1	143.8	145.4
54°	144.9	143.4	141.6	140.3	138.5	136.3	136.9	138.4	139.9	141.7	143.2
54.5°	142.8	141.1	139.5	138.2	136.3	134.2	134.8	136.2	137.8	139.5	141.2
55°	140.6	139.1	137.4	136.0	134.1	131.9	132.7	134.0	135.6	137.3	138.9
55.5°	138.5	136.9	135.2	133.8	132.0	129.7	130.4	131.7	133.3	135.2	136.6
56°	136.2	134.6	133.0	131.6	129.9	127.5	128.4	129.6	131.1	133.0	134.3
56.5°	133.9	132.4	130.8	129.4	127.7	125.4	126.1	127.5	129.0	130.7	132.3
57°	131.7	130.3	128.6	127.3	125.5	123.2	123.8	125.3	126.8	128.5	130.1
57.5°	129.5	128.1	126.4	125.1	123.2	121.0	121.7	123.0	124.5	126.3	127.8
58°	127.3	125.9	124.3	122.8	121.1	118.7	119.5	120.8	122.3	124.1	125.6
58.5°	125.1	123.6	122.1	120.7	119.0	116.7	117.3	118.6	120.1	121.9	123.4
59°	122.9	121.4	119.9	118.4	116.8	114.4	115.1	116.4	117.9	119.7	121.2
59.5°	120.6	119.2	117.7	116.1	114.4	112.2	112.9	114.2	115.7	117.4	118.9
60°	118.4	117.0	115.4	114.0	112.3	110.1	110.7	112.0	113.5	115.2	116.6
60.5°	116.1	114.8	113.1	111.9	110.1	107.8	108.4	109.8	111.2	112.9	114.4
61°	113.8	112.5	111.0	109.6	107.9	105.6	106.2	107.6	109.0	110.7	112.2
61.5°	111.7	110.3	108.8	107.4	105.7	103.4	104.0	105.4	106.8	108.5	110.0
62°	109.5	108.0	106.5	105.2	103.5	101.1	101.9	103.1	104.7	106.3	107.7
62.5°	107.2	105.8	104.3	103.0	101.2	98.9	99.7	100.9	102.4	103.9	105.3
63°	104.9	103.5	102.0	100.9	99.0	96.7	97.4	98.7	100.2	101.6	103.1
63.5°	102.7	101.3	99.8	98.7	96.8	94.5	95.2	96.5	97.9	99.4	100.8
64°	100.4	99.0	97.6	96.4	94.6	92.3	93.0	94.3	95.7	97.2	98.6
64.5°	98.2	96.8	95.3	94.2	92.4	90.1	90.7	92.0	93.5	94.9	96.3
65°	96.0	94.6	93.1	92.0	90.2	87.8	88.5	89.8	91.3	92.7	94.0
65.5°	93.7	92.4	90.9	89.9	88.0	85.6	86.3	87.5	89.0	90.5	91.8
66°	91.4	90.0	88.7	87.6	85.9	83.5	84.1	85.2	86.8	88.3	89.5
66.5°	89.2	87.8	86.4	85.4	83.5	81.3	81.8	83.1	84.5	86.0	87.3
67°	87.0	85.5	84.2	83.2	81.3	79.1	79.7	80.9	82.3	83.7	85.1

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	84.7	83.3	82.0	81.0	79.2	76.9	77.5	78.6	80.2	81.4	82.8
68°	82.5	81.1	79.8	78.8	77.0	74.7	75.3	76.5	78.0	79.3	80.5
68.5°	80.3	78.9	77.5	76.7	74.8	72.5	73.1	74.2	75.8	77.1	78.3
69°	78.1	76.6	75.4	74.6	72.6	70.4	71.0	72.0	73.6	74.8	76.1
69.5°	75.9	74.4	73.2	72.4	70.5	68.2	68.8	69.8	71.4	72.6	73.9
70°	73.7	72.3	71.0	70.1	68.3	66.1	66.7	67.8	69.3	70.4	71.6
70.5°	71.5	70.2	68.8	68.1	66.2	64.0	64.6	65.5	67.2	68.3	69.4
71°	69.3	67.9	66.7	66.0	64.0	61.9	62.5	63.4	65.0	66.1	67.3
71.5°	67.2	65.8	64.6	63.8	61.9	59.8	60.3	61.3	62.8	63.9	65.0
72°	65.0	63.7	62.5	61.7	59.8	57.7	58.2	59.1	60.7	61.7	62.9
72.5°	62.9	61.5	60.4	59.6	57.7	55.6	56.1	57.0	58.6	59.7	60.8
73°	60.7	59.5	58.3	57.6	55.5	53.5	54.0	54.8	56.4	57.5	58.7
73.5°	58.6	57.4	56.2	55.5	53.5	51.5	51.9	52.8	54.4	55.4	56.6
74°	56.5	55.3	54.1	53.4	51.4	49.4	49.9	50.7	52.3	53.3	54.4
74.5°	54.4	53.2	52.0	51.3	49.4	47.4	47.9	48.6	50.2	51.2	52.3
75°	52.3	51.2	50.0	49.3	47.3	45.4	45.9	46.6	48.1	49.2	50.3
75.5°	50.3	49.1	48.0	47.3	45.3	43.3	43.8	44.5	46.1	47.1	48.2
76°	48.2	47.0	45.9	45.3	43.3	41.4	41.8	42.5	44.1	45.0	46.1
76.5°	46.1	45.0	43.9	43.2	41.3	39.4	39.8	40.5	42.0	43.0	44.0
77°	44.0	43.0	42.5	41.3	39.3	37.4	37.9	38.5	40.0	41.0	42.1
77.5°	42.2	41.1	40.4	39.3	37.3	35.5	36.0	36.6	38.0	39.0	40.0
78°	40.2	39.1	38.3	37.4	35.5	33.5	33.9	34.6	36.0	37.0	38.0
78.5°	38.1	37.1	36.2	35.4	33.5	31.6	32.0	32.7	34.1	35.1	35.9
79°	36.1	35.1	34.1	33.5	31.6	29.7	30.1	30.8	32.1	33.1	34.0
79.5°	34.1	33.2	32.2	31.6	29.7	27.9	28.3	28.9	30.3	31.1	32.1
80°	32.1	31.2	30.3	29.7	27.8	26.0	26.4	27.0	28.3	29.3	30.2
80.5°	30.2	29.4	28.5	27.8	26.0	24.2	24.5	25.2	26.5	27.4	28.2
81°	28.3	27.5	26.6	25.9	24.2	22.4	22.7	23.4	24.6	25.5	26.3
81.5°	26.4	25.6	24.8	24.1	22.4	20.6	21.0	21.6	22.8	23.6	24.4
82°	24.5	23.7	22.9	22.3	20.6	18.9	19.2	19.7	20.9	21.8	22.6
82.5°	22.6	21.9	21.1	20.5	18.8	17.1	17.4	18.0	19.1	20.0	20.8
83°	20.8	20.1	19.3	18.7	17.1	15.4	15.7	16.3	17.3	18.2	19.0
83.5°	19.0	18.3	17.6	17.0	15.4	13.7	14.0	14.6	15.6	16.4	17.2
84°	17.2	16.5	15.8	15.2	13.7	12.1	12.4	12.9	13.8	14.7	15.4
84.5°	15.4	14.8	14.1	13.5	12.1	10.5	10.8	11.3	12.1	13.0	13.7
85°	13.7	13.1	12.5	11.9	10.5	8.9	9.1	9.6	10.5	11.3	12.0
85.5°	11.9	11.4	10.8	10.2	8.9	7.2	7.5	8.0	8.8	9.6	10.3
86°	10.2	9.8	9.2	8.6	7.3	5.6	5.9	6.4	7.1	8.0	8.7
86.5°	8.6	8.2	7.6	7.0	5.7	4.1	4.3	4.8	5.5	6.3	7.0
87°	7.0	6.5	6.0	5.4	4.2	2.7	2.8	3.3	3.9	4.6	5.3
87.5°	5.4	4.9	4.4	3.9	2.8	1.4	1.5	1.9	2.4	3.1	3.8
88°	3.8	4.0	3.3	3.0	1.5	0.4	0.5	0.7	1.1	1.6	2.3
88.5°	2.9	3.0	2.3	2.0	0.5	0.1	0.1	0.1	0.2	0.5	0.9
89°	1.9	2.0	1.2	1.0	0.1	0.1	0.1	0.0	0.0	0.1	0.2
89.5°	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99°	0.0	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: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-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	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
134°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
134.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
135.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
136°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.1	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	0.3	0.2	0.2	0.2	0.2
150.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
151°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
151.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
152°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
154°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
154.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
155.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
156°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
156.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
157°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-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	0.3	0.3	0.3	0.3	0.2	0.2	0.2
158°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
158.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
159°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
159.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
160°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
160.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
161°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
161.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
162°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
162.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2
163°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2
163.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
164°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
164.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
165°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
165.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2
166°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2
166.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2
167°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2
167.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2
168°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.2
168.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3
169°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3
169.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3
170°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3
170.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3
171°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3
171.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3
172°	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3
172.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3
173°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3
173.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2
174°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
174.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-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: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	294.4	294.4	294.4	294.4	294.4	294.4
0.5°	294.5	294.4	294.3	294.1	294.6	294.6
1°	*294.6*	*294.3*	*294.3*	*294.3*	*294.6*	*294.7*
1.5°	294.6	294.1	294.3	294.6	294.3	294.6
2°	294.5	294.2	294.3	294.5	294.3	294.3
2.5°	294.3	294.3	294.3	294.3	294.5	294.2
3°	293.9	293.9	294.2	294.1	294.5	294.2
3.5°	293.9	293.9	294.1	294.0	293.9	294.1
4°	293.8	293.9	293.9	293.9	293.7	293.9
4.5°	293.7	293.4	293.9	293.8	293.7	293.6
5°	293.2	293.2	293.6	293.5	293.5	293.1
5.5°	292.6	293.0	293.1	293.1	293.1	292.8
6°	292.5	292.7	292.8	292.8	292.9	292.5
6.5°	292.2	292.0	292.6	292.5	292.5	292.0
7°	291.5	291.6	292.4	292.2	292.1	291.7
7.5°	291.1	291.6	292.0	291.7	291.7	291.6
8°	290.7	291.1	291.4	291.3	291.2	291.1
8.5°	290.2	290.5	290.8	290.9	290.7	290.1
9°	289.7	289.9	290.5	290.4	290.1	289.4
9.5°	289.1	289.4	290.0	289.9	289.7	289.2
10°	288.5	288.8	289.3	289.3	289.2	288.8
10.5°	287.8	288.2	288.9	288.7	288.5	288.0
11°	287.1	287.5	288.3	288.2	287.7	287.3
11.5°	286.5	286.8	287.6	287.6	286.9	286.5
12°	285.7	286.3	286.9	286.9	286.4	285.8
12.5°	284.7	285.5	286.2	286.1	285.7	285.1
13°	284.0	284.6	285.4	285.1	285.0	284.2
13.5°	283.3	283.8	284.7	284.4	284.1	283.3
14°	282.6	283.0	284.0	283.8	283.2	282.7
14.5°	281.7	282.1	283.0	283.0	282.3	281.9
15°	280.8	281.2	282.2	282.0	281.5	280.8
15.5°	279.6	280.5	281.3	281.0	280.4	279.7
16°	278.5	279.5	280.5	280.2	279.7	278.6
16.5°	277.8	278.2	279.5	279.2	278.8	277.9
17°	276.8	277.2	278.4	278.2	277.6	277.0
17.5°	275.7	276.4	277.5	277.3	276.6	275.8
18°	274.6	275.5	276.5	276.2	275.5	274.5
18.5°	273.4	274.2	275.5	275.1	274.4	273.5
19°	272.2	273.1	274.3	274.0	273.3	272.5
19.5°	271.0	271.9	273.1	272.7	272.2	271.2
20°	269.8	270.8	272.1	271.7	271.1	270.1
20.5°	268.7	269.4	271.0	270.6	269.8	268.9
21°	267.5	268.2	269.7	269.3	268.4	267.6
21.5°	266.1	267.0	268.4	268.1	267.4	266.3
22°	264.7	265.9	267.0	266.9	266.2	264.9

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	263.4	264.4	265.8	265.6	264.7	263.6
23°	262.2	263.2	264.7	264.1	263.4	262.3
23.5°	260.9	261.8	263.4	262.9	262.1	260.9
24°	259.4	260.2	261.9	261.6	260.6	259.5
24.5°	257.9	258.9	260.4	260.2	259.1	258.1
25°	256.4	257.7	259.1	258.7	257.7	256.5
25.5°	254.9	256.0	257.8	257.3	256.5	255.0
26°	253.3	254.4	256.4	255.9	255.1	253.7
26.5°	251.9	253.1	254.9	254.4	253.3	252.3
27°	250.6	251.7	253.1	252.7	251.7	250.6
27.5°	249.1	249.9	251.7	251.2	250.3	249.0
28°	247.4	248.4	250.3	249.8	248.8	247.5
28.5°	245.7	247.0	248.6	248.3	247.2	245.8
29°	244.1	245.3	247.0	246.5	245.6	244.1
29.5°	242.4	243.7	245.4	244.8	244.1	242.5
30°	240.9	241.9	243.8	243.2	242.3	240.9
30.5°	239.0	240.3	242.1	241.5	240.6	239.2
31°	237.2	238.7	240.4	240.0	239.0	237.5
31.5°	235.5	237.1	238.8	238.5	237.3	235.8
32°	233.9	235.3	237.0	236.6	235.7	234.1
32.5°	232.2	233.5	235.3	234.7	233.9	232.3
33°	230.4	231.7	233.8	233.0	232.0	230.5
33.5°	228.5	230.0	231.9	231.4	230.1	228.9
34°	226.8	228.2	229.9	229.7	228.4	227.0
34.5°	225.0	226.3	228.2	227.9	226.8	225.2
35°	223.1	224.6	226.5	225.9	224.8	223.2
35.5°	221.3	222.6	224.7	223.9	222.8	221.4
36°	219.4	220.7	222.8	222.1	221.1	219.6
36.5°	217.5	219.0	220.9	220.4	219.4	217.8
37°	215.6	217.2	219.0	218.5	217.4	215.8
37.5°	213.8	215.1	217.1	216.6	215.4	213.7
38°	211.8	213.1	215.2	214.6	213.6	211.9
38.5°	209.6	211.3	213.3	212.7	211.7	210.0
39°	207.7	209.3	211.4	210.6	209.7	208.1
39.5°	206.1	207.3	209.4	208.7	207.7	206.1
40°	203.9	205.4	207.5	206.9	205.7	204.3
40.5°	201.7	203.4	205.5	204.9	203.7	202.2
41°	199.6	201.4	203.4	202.7	201.7	199.9
41.5°	197.7	199.4	201.4	200.7	199.8	197.9
42°	195.7	197.3	199.4	198.8	197.7	196.0
42.5°	193.6	195.1	197.4	196.7	195.7	194.1
43°	191.6	193.2	195.3	194.7	193.5	192.0
43.5°	189.5	191.2	193.3	192.7	191.4	189.8
44°	187.4	189.1	191.2	190.6	189.4	187.8
44.5°	185.2	186.9	189.2	188.4	187.3	185.8

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	183.2	184.8	187.0	186.4	185.4	183.7
45.5°	181.1	182.7	184.9	184.4	183.2	181.6
46°	179.0	180.6	182.9	182.2	181.1	179.5
46.5°	176.9	178.5	180.8	180.1	178.9	177.4
47°	174.8	176.3	178.6	178.0	176.7	175.3
47.5°	172.7	174.2	176.4	175.8	174.5	173.1
48°	170.5	172.0	174.3	173.7	172.5	170.9
48.5°	168.3	169.9	172.2	171.7	170.4	168.8
49°	166.2	167.7	170.1	169.5	168.2	166.8
49.5°	164.1	165.5	168.0	167.3	165.9	164.7
50°	162.0	163.3	165.7	165.3	163.9	162.5
50.5°	159.8	161.3	163.6	163.0	161.7	160.2
51°	157.5	159.1	161.4	160.9	159.6	158.1
51.5°	155.3	156.9	159.3	158.6	157.5	156.0
52°	153.1	154.7	157.1	156.5	155.3	153.8
52.5°	151.0	152.7	155.0	154.3	153.2	151.7
53°	148.9	150.5	152.7	152.1	151.1	149.5
53.5°	146.6	148.3	150.5	149.9	148.8	147.2
54°	144.2	146.0	148.3	147.7	146.6	144.9
54.5°	142.1	144.0	146.1	145.6	144.5	142.8
55°	139.9	141.7	143.9	143.3	142.4	140.6
55.5°	137.7	139.5	141.7	141.0	140.2	138.5
56°	135.5	137.3	139.5	138.9	137.9	136.2
56.5°	133.2	135.0	137.3	136.6	135.7	133.9
57°	130.9	132.9	135.0	134.4	133.5	131.7
57.5°	128.7	130.7	132.7	132.2	131.4	129.5
58°	126.5	128.4	130.5	129.9	129.2	127.3
58.5°	124.2	126.1	128.3	127.6	126.8	125.1
59°	122.0	123.9	126.1	125.5	124.5	122.9
59.5°	119.8	121.7	123.8	123.3	122.3	120.6
60°	117.6	119.4	121.6	121.0	120.1	118.4
60.5°	115.3	117.1	119.3	118.8	117.9	116.1
61°	113.0	114.8	117.0	116.5	115.6	113.8
61.5°	110.7	112.6	114.8	114.2	113.4	111.7
62°	108.6	110.3	112.5	111.9	111.0	109.5
62.5°	106.3	108.1	110.3	109.7	108.8	107.2
63°	104.0	105.8	108.0	107.4	106.5	104.9
63.5°	101.8	103.4	105.7	105.2	104.2	102.7
64°	99.6	101.1	103.3	102.8	102.0	100.4
64.5°	97.3	98.9	101.1	100.5	99.7	98.2
65°	95.0	96.7	98.8	98.3	97.4	96.0
65.5°	92.8	94.3	96.6	96.0	95.1	93.7
66°	90.5	92.0	94.2	93.7	92.8	91.4
66.5°	88.3	89.8	91.9	91.4	90.5	89.2
67°	86.1	87.6	89.6	89.2	88.3	87.0

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	83.8	85.3	87.4	86.9	86.1	84.7
68°	81.6	83.0	85.2	84.6	83.8	82.5
68.5°	79.3	80.8	82.9	82.3	81.6	80.3
69°	77.1	78.5	80.6	80.1	79.3	78.1
69.5°	74.9	76.3	78.4	78.0	77.0	75.9
70°	72.7	74.0	76.2	75.7	74.8	73.7
70.5°	70.5	71.8	74.0	73.4	72.6	71.5
71°	68.3	69.6	71.7	71.2	70.4	69.3
71.5°	66.1	67.3	69.6	69.1	68.2	67.2
72°	64.0	65.2	67.4	66.9	65.9	65.0
72.5°	61.8	63.0	65.2	64.7	63.8	62.9
73°	59.6	60.8	63.0	62.5	61.6	60.7
73.5°	57.4	58.7	60.8	60.4	59.5	58.6
74°	55.3	56.5	58.7	58.3	57.2	56.5
74.5°	53.2	54.4	56.6	56.1	55.1	54.4
75°	51.2	52.3	54.4	53.9	53.0	52.3
75.5°	49.0	50.1	52.3	51.8	50.9	50.3
76°	46.9	48.0	50.2	49.8	48.8	48.2
76.5°	44.8	45.9	48.1	47.7	46.7	46.1
77°	42.8	43.9	46.0	45.5	44.6	44.0
77.5°	40.7	42.5	43.9	43.5	42.6	42.2
78°	38.7	40.3	41.9	41.5	40.6	40.2
78.5°	36.7	38.2	39.9	39.5	38.6	38.1
79°	34.7	36.0	37.8	37.4	36.6	36.1
79.5°	32.7	33.9	35.8	35.4	34.7	34.1
80°	30.8	31.8	33.8	33.4	32.7	32.1
80.5°	28.9	29.9	31.8	31.4	30.7	30.2
81°	27.0	28.0	29.9	29.6	28.8	28.3
81.5°	25.0	26.1	27.9	27.6	26.9	26.4
82°	23.2	24.2	26.0	25.7	25.0	24.5
82.5°	21.3	22.4	24.2	23.8	23.1	22.6
83°	19.5	20.5	22.3	21.9	21.3	20.8
83.5°	17.7	18.7	20.4	20.1	19.5	19.0
84°	15.9	16.9	18.7	18.3	17.7	17.2
84.5°	14.1	15.2	16.9	16.5	15.9	15.4
85°	12.4	13.4	15.1	14.8	14.2	13.7
85.5°	10.7	11.7	13.3	13.0	12.5	11.9
86°	9.1	10.0	11.7	11.4	10.7	10.2
86.5°	7.4	8.4	10.0	9.7	9.2	8.6
87°	5.7	6.8	8.3	8.0	7.5	7.0
87.5°	4.1	5.2	6.7	6.4	6.0	5.4
88°	2.6	3.7	5.1	4.8	4.4	3.8
88.5°	1.2	2.2	4.1	3.6	3.3	2.9
89°	0.3	1.7	3.1	2.5	2.2	1.9
89.5°	0.1	1.3	2.1	1.3	1.2	1.0

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.9	1.1	0.1	0.1	0.1
90.5°	0.0	0.5	0.1	0.0	0.0	0.0
91°	0.0	0.1	0.0	0.0	0.0	0.0
91.5°	0.1	0.0	0.0	0.0	0.0	0.0
92°	0.1	0.0	0.0	0.0	0.0	0.0
92.5°	0.1	0.0	0.0	0.0	0.0	0.0
93°	0.1	0.0	0.0	0.0	0.0	0.0
93.5°	0.1	0.0	0.0	0.0	0.0	0.0
94°	0.1	0.0	0.0	0.0	0.0	0.0
94.5°	0.1	0.0	0.0	0.0	0.0	0.0
95°	0.1	0.0	0.0	0.0	0.0	0.0
95.5°	0.1	0.0	0.0	0.0	0.0	0.0
96°	0.1	0.0	0.0	0.0	0.0	0.0
96.5°	0.1	0.0	0.0	0.0	0.0	0.0
97°	0.1	0.0	0.0	0.0	0.0	0.0
97.5°	0.1	0.0	0.0	0.0	0.0	0.0
98°	0.1	0.0	0.0	0.0	0.0	0.0
98.5°	0.1	0.1	0.0	0.0	0.0	0.0
99°	0.1	0.1	0.0	0.0	0.0	0.0
99.5°	0.1	0.1	0.0	0.0	0.0	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: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-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	0.1	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	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.2	0.1	0.1	0.1	0.1
129.5°	0.1	0.2	0.1	0.1	0.1	0.1
130°	0.1	0.2	0.1	0.1	0.1	0.1
130.5°	0.1	0.2	0.1	0.1	0.1	0.1
131°	0.1	0.2	0.1	0.1	0.1	0.1
131.5°	0.1	0.2	0.1	0.1	0.1	0.1
132°	0.1	0.2	0.1	0.1	0.1	0.1
132.5°	0.1	0.2	0.1	0.1	0.1	0.1
133°	0.1	0.2	0.1	0.1	0.1	0.1
133.5°	0.2	0.2	0.1	0.1	0.1	0.1
134°	0.2	0.2	0.1	0.1	0.1	0.1
134.5°	0.2	0.2	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: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.2	0.1	0.1	0.1	0.1
135.5°	0.2	0.2	0.1	0.1	0.1	0.1
136°	0.2	0.2	0.1	0.1	0.1	0.1
136.5°	0.2	0.2	0.1	0.1	0.1	0.1
137°	0.2	0.2	0.1	0.1	0.1	0.1
137.5°	0.2	0.2	0.1	0.1	0.1	0.1
138°	0.2	0.2	0.1	0.1	0.1	0.1
138.5°	0.2	0.2	0.1	0.1	0.1	0.1
139°	0.2	0.2	0.1	0.1	0.1	0.1
139.5°	0.2	0.2	0.2	0.1	0.1	0.1
140°	0.2	0.2	0.2	0.1	0.1	0.1
140.5°	0.2	0.2	0.2	0.1	0.1	0.1
141°	0.2	0.2	0.2	0.1	0.1	0.1
141.5°	0.2	0.2	0.2	0.2	0.1	0.1
142°	0.2	0.2	0.2	0.2	0.1	0.1
142.5°	0.2	0.2	0.2	0.2	0.1	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°	0.3	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	0.2	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	0.2	0.2	0.2	0.2

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

Scaled Data Report

TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.2	0.2	0.2	0.2
158°	0.4	0.2	0.2	0.2	0.2	0.2
158.5°	0.4	0.2	0.2	0.2	0.2	0.2
159°	0.4	0.2	0.2	0.2	0.2	0.2
159.5°	0.4	0.2	0.2	0.2	0.2	0.2
160°	0.4	0.2	0.2	0.2	0.2	0.2
160.5°	0.4	0.2	0.2	0.2	0.2	0.2
161°	0.4	0.2	0.2	0.2	0.2	0.2
161.5°	0.4	0.2	0.2	0.2	0.2	0.2
162°	0.4	0.2	0.2	0.2	0.2	0.2
162.5°	0.4	0.2	0.2	0.2	0.2	0.2
163°	0.4	0.2	0.2	0.2	0.2	0.2
163.5°	0.4	0.3	0.2	0.2	0.2	0.2
164°	0.4	0.3	0.2	0.2	0.2	0.2
164.5°	0.4	0.3	0.2	0.2	0.2	0.2
165°	0.4	0.3	0.2	0.2	0.2	0.2
165.5°	0.4	0.3	0.2	0.2	0.2	0.2
166°	0.4	0.3	0.2	0.2	0.2	0.2
166.5°	0.4	0.3	0.2	0.2	0.2	0.2
167°	0.4	0.3	0.2	0.2	0.2	0.2
167.5°	0.4	0.3	0.2	0.2	0.2	0.2
168°	0.4	0.3	0.2	0.2	0.2	0.2
168.5°	0.4	0.3	0.2	0.2	0.2	0.2
169°	0.4	0.3	0.2	0.2	0.2	0.2
169.5°	0.4	0.3	0.2	0.2	0.2	0.2
170°	0.4	0.3	0.2	0.2	0.2	0.2
170.5°	0.3	0.3	0.2	0.2	0.2	0.2
171°	0.2	0.3	0.3	0.2	0.2	0.2
171.5°	0.2	0.3	0.3	0.2	0.2	0.2
172°	0.2	0.3	0.3	0.2	0.2	0.2
172.5°	0.3	0.3	0.3	0.2	0.2	0.2
173°	0.3	0.3	0.2	0.2	0.2	0.2
173.5°	0.3	0.2	0.2	0.2	0.2	0.2
174°	0.3	0.2	0.2	0.2	0.2	0.2
174.5°	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.2	0.2	0.2	0.2	0.2
176°	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
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: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-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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TEST NUMBER: P1596584
CATALOG NUMBER: HLB2LSFS5-HI-3000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	29.95	31.57	30.32	31.89	32.21	29.58	31.20	29.95	31.52	31.84
	3H	31.75	33.21	32.12	33.54	33.90	31.32	32.79	31.70	33.12	33.48
	4H	32.43	33.81	32.83	34.16	34.54	31.96	33.34	32.36	33.69	34.07
	6H	32.95	34.23	33.36	34.59	34.99	32.42	33.70	32.83	34.07	34.46
	8H	33.12	34.34	33.54	34.73	35.13	32.56	33.78	32.98	34.17	34.57
	12H	33.19	34.36	33.62	34.75	35.18	32.61	33.78	33.04	34.16	34.59
4H	2H	30.58	31.96	30.98	32.31	32.68	30.21	31.59	30.61	31.94	32.32
	3H	32.59	33.75	33.00	34.15	34.55	32.16	33.32	32.58	33.72	34.12
	4H	33.41	34.45	33.84	34.87	35.31	32.93	33.98	33.36	34.39	34.83
	6H	34.06	34.97	34.52	35.42	35.87	33.51	34.42	33.97	34.87	35.32
	8H	34.28	35.14	34.74	35.58	36.05	33.69	34.54	34.15	34.99	35.46
	12H	34.41	35.18	34.89	35.66	36.13	33.78	34.55	34.26	35.03	35.50
8H	4H	33.73	34.58	34.19	35.03	35.49	33.24	34.09	33.70	34.54	35.00
	6H	34.50	35.22	35.00	35.71	36.18	33.93	34.64	34.43	35.13	35.61
	8H	34.80	35.44	35.31	35.95	36.43	34.18	34.81	34.69	35.32	35.81
	12H	35.01	35.58	35.52	36.07	36.63	34.33	34.89	34.84	35.39	35.95
12H	4H	33.76	34.53	34.24	35.01	35.48	33.27	34.04	33.75	34.52	34.99
	6H	34.56	35.20	35.07	35.71	36.20	33.98	34.62	34.50	35.13	35.62
	8H	34.92	35.48	35.43	35.97	36.54	34.28	34.85	34.79	35.34	35.90

END OF REPORT