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: P1596586

Luminaire Tested: HLB2LSFS5-HI-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:	P1596586
	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-4000K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	4000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

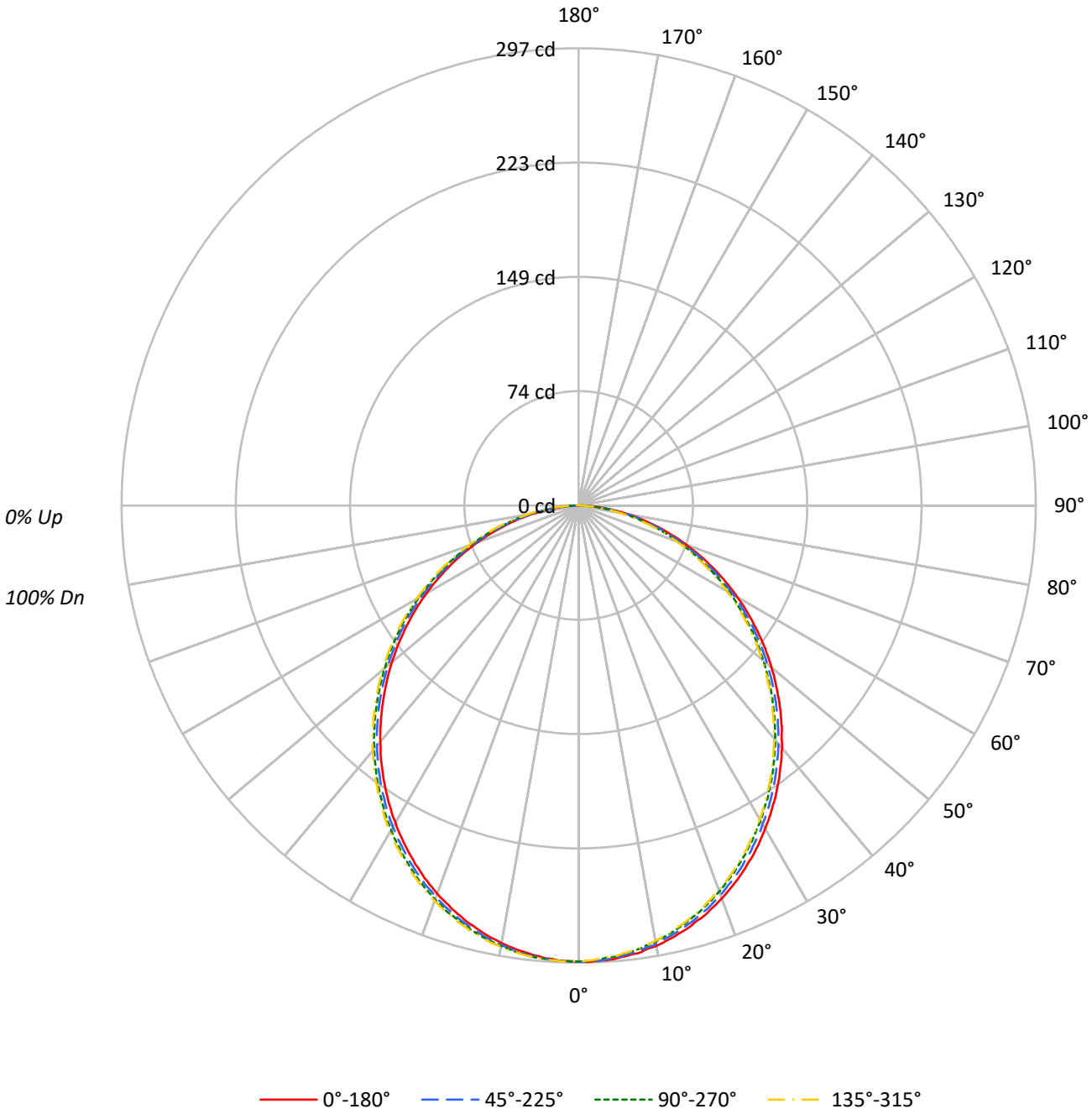
Lumens per Lamp:	N/A
Luminaire Lumens:	790.1 lumens
Efficiency:	N/A
Efficacy:	96.3 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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°	204118	204118	204118	204118
5°	203999	203031	203307	203999
10°	203280	201251	201811	203280
15°	201548	198767	199765	201833
20°	199257	195665	196838	199770
25°	196260	192079	193295	197096
30°	192820	188127	189240	193695
35°	188884	183502	185016	190062
40°	184893	178687	180306	185882
45°	180039	173414	175071	181208
50°	175227	167725	169761	176191
55°	169948	162141	163943	171269
60°	164094	155689	157343	165472
65°	157463	148009	149802	158604
70°	149452	138374	140388	150057
75°	140004	126695	128825	140004
80°	128139	111081	113064	127346
85°	109077	83784	82993	106706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 183352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	3.5
10°-20°	79.2	10.0
20°-30°	118.0	14.9
30°-40°	139.0	17.6
40°-50°	140.5	17.8
50°-60°	124.2	15.7
60°-70°	93.1	11.8
70°-80°	53.3	6.7
80°-90°	14.0	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°	225.1	28.5
0°-40°	364.1	46.1
0°-60°	628.8	79.6
0°-90°	789.3	99.9
90°-120°	0.3	0.0
90°-150°	0.6	0.1
90°-180°	1.0	0.1
0°-180°	790.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	296	296	296	296	296	
5°	295	294	294	295	295	28
15°	283	279	280	283	283	80
25°	258	253	254	259	258	119
35°	225	218	220	226	225	141
45°	185	178	180	186	185	143
55°	142	135	136	143	142	126
65°	97	91	92	97	97	96
75°	53	48	48	53	53	56
85°	14	11	10	14	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°	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3
0.5°	296.4	296.5	296.6	296.4	295.9	295.8	296.1	296.0	296.3	296.5	296.4
1°	296.6	296.7	296.3	296.2	295.9	295.6	295.8	296.0	296.1	296.6	296.3
1.5°	296.5	296.5	296.0	295.9	295.8	295.4	295.6	295.9	296.2	296.3	296.3
2°	296.2	296.1	295.9	296.0	295.5	295.2	295.3	295.6	296.1	296.0	296.3
2.5°	296.1	296.2	295.9	295.9	295.1	295.0	295.0	295.3	295.9	295.8	296.1
3°	296.0	296.0	295.8	295.5	294.9	294.7	294.6	295.2	295.4	295.6	296.0
3.5°	296.0	295.6	295.5	294.9	294.4	294.4	294.3	294.9	295.1	295.7	295.7
4°	295.8	295.3	295.2	294.7	294.3	294.1	294.2	294.4	295.0	295.5	295.4
4.5°	295.5	295.2	294.7	294.7	294.1	293.6	293.9	293.8	294.7	295.0	295.1
5°	295.0	295.0	294.4	294.4	293.6	293.0	293.3	293.4	294.0	294.5	294.9
5.5°	294.7	294.5	294.0	293.7	293.0	292.6	292.6	293.2	293.8	294.2	294.5
6°	294.4	293.8	293.5	293.2	292.4	292.2	292.2	292.8	293.3	293.8	294.2
6.5°	293.9	293.6	293.1	292.9	292.0	291.6	291.8	292.2	292.7	293.4	293.7
7°	293.6	293.4	292.9	292.3	291.6	290.9	291.3	291.8	292.1	292.8	293.2
7.5°	293.5	292.8	292.4	291.8	291.1	290.3	290.6	291.1	291.7	292.3	292.7
8°	293.0	292.1	291.5	291.1	290.4	289.8	290.0	290.5	291.2	291.9	292.3
8.5°	292.0	291.7	290.8	290.5	289.5	288.9	289.5	289.8	290.6	291.3	291.8
9°	291.3	291.1	290.3	289.9	289.0	288.5	288.7	289.0	290.0	290.7	291.2
9.5°	291.0	290.3	290.0	289.3	288.4	287.7	287.9	288.5	289.3	290.0	290.5
10°	290.6	289.7	289.3	288.6	287.7	286.8	287.2	287.9	288.5	289.2	289.9
10.5°	289.9	289.3	288.4	287.6	286.9	286.0	286.3	286.9	287.7	288.6	289.2
11°	289.1	288.5	287.5	286.9	286.2	285.3	285.6	286.2	287.1	287.9	288.5
11.5°	288.3	287.8	286.7	286.3	285.4	284.4	284.7	285.4	286.4	287.1	287.7
12°	287.6	286.9	286.1	285.5	284.4	283.5	283.9	284.6	285.6	286.2	287.1
12.5°	286.9	286.0	285.2	284.5	283.5	282.5	283.0	283.6	284.6	285.5	286.3
13°	286.0	285.4	284.4	283.5	282.6	281.6	281.9	282.8	283.7	284.7	285.4
13.5°	285.1	284.5	283.6	282.7	281.7	280.8	280.8	281.9	282.8	283.8	284.5
14°	284.5	283.6	282.6	281.9	280.9	279.8	280.1	280.7	281.8	282.7	283.7
14.5°	283.7	282.6	281.4	280.9	279.8	278.5	279.2	279.7	281.0	281.8	282.7
15°	282.6	281.7	280.6	279.9	278.7	277.4	278.0	278.9	280.1	280.9	281.7
15.5°	281.4	280.8	279.7	278.8	277.5	276.6	276.8	277.9	279.0	280.0	280.8
16°	280.4	279.8	278.6	277.6	276.5	275.5	275.8	276.8	277.7	278.8	279.9
16.5°	279.7	278.6	277.3	276.5	275.6	274.3	274.8	275.6	276.7	277.7	278.8
17°	278.8	277.5	276.3	275.6	274.3	273.1	273.6	274.3	275.6	276.7	277.5
17.5°	277.6	276.4	275.5	274.5	273.1	271.9	272.4	273.3	274.6	275.7	276.5
18°	276.3	275.3	274.4	273.3	272.1	270.8	271.1	272.3	273.2	274.7	275.5
18.5°	275.2	274.2	273.0	272.1	270.9	269.4	269.8	270.9	272.0	273.4	274.4
19°	274.2	273.0	271.7	270.8	269.4	268.2	268.7	269.7	270.9	271.9	273.3
19.5°	272.9	271.7	270.5	269.5	268.1	266.9	267.5	268.5	269.9	270.9	272.1
20°	271.8	270.6	269.3	268.3	266.9	265.5	266.1	267.2	268.5	269.7	270.8
20.5°	270.6	269.4	268.1	266.9	265.7	264.2	264.7	265.8	267.1	268.4	269.5
21°	269.3	268.0	266.6	265.8	264.2	262.8	263.5	264.5	265.7	267.2	268.0
21.5°	268.0	266.8	265.2	264.4	262.7	261.6	262.0	263.0	264.5	265.7	266.9
22°	266.6	265.4	264.0	262.8	261.4	260.1	260.5	261.6	263.1	264.3	265.8

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TEST NUMBER: P1596586
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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°	265.3	263.9	262.7	261.4	260.2	258.5	259.1	260.4	261.8	263.1	264.3
23°	264.0	262.6	261.3	260.1	258.7	257.0	257.7	258.9	260.2	261.6	262.9
23.5°	262.6	261.3	259.8	258.6	257.1	255.7	256.3	257.3	258.7	260.2	261.4
24°	261.2	259.9	258.4	257.3	255.6	254.2	254.8	255.9	257.3	258.7	260.1
24.5°	259.7	258.4	256.9	255.9	254.1	252.7	253.3	254.3	256.1	257.3	258.6
25°	258.2	256.9	255.2	254.2	252.7	251.2	251.5	253.0	254.3	255.9	257.1
25.5°	256.6	255.3	253.8	252.7	251.2	249.7	250.0	251.4	252.7	254.3	255.6
26°	255.4	253.9	252.4	251.3	249.5	248.0	248.7	249.7	251.2	252.5	254.1
26.5°	253.9	252.3	250.8	249.5	247.8	246.2	247.0	248.2	249.7	251.2	252.5
27°	252.2	250.6	249.0	247.9	246.5	244.7	245.2	246.6	248.1	249.9	250.9
27.5°	250.6	249.2	247.4	246.5	244.8	243.1	243.6	244.9	246.4	248.1	249.2
28°	249.1	247.7	245.8	244.9	243.0	241.4	242.2	243.2	244.7	246.2	247.8
28.5°	247.3	246.0	244.3	242.9	241.2	239.7	240.6	241.5	243.2	244.7	246.4
29°	245.7	244.2	242.7	241.3	239.6	238.1	238.7	240.0	241.6	243.2	244.7
29.5°	244.1	242.5	241.0	239.8	238.1	236.4	236.9	238.4	239.9	241.6	242.8
30°	242.4	240.8	239.1	238.1	236.5	234.6	235.4	236.7	237.9	239.8	241.2
30.5°	240.7	239.2	237.5	236.2	234.7	232.8	233.7	234.8	236.4	238.1	239.6
31°	239.1	237.5	235.8	234.6	232.6	231.1	231.8	232.9	234.8	236.4	237.9
31.5°	237.3	235.9	234.0	232.9	230.8	229.4	229.9	231.2	232.8	234.6	235.9
32°	235.6	234.1	232.3	231.0	229.1	227.4	228.3	229.5	231.1	232.7	234.3
32.5°	233.7	232.2	230.6	229.0	227.5	225.6	226.4	227.6	229.3	231.1	232.7
33°	231.9	230.3	228.6	227.4	225.8	223.8	224.5	225.8	227.5	229.3	230.7
33.5°	230.4	228.6	226.8	225.6	223.7	222.0	222.7	223.9	225.7	227.3	228.8
34°	228.5	226.8	225.0	223.9	221.8	220.1	220.9	222.0	223.8	225.5	227.0
34.5°	226.6	225.0	223.3	221.9	220.0	218.2	219.0	220.2	221.9	223.7	225.3
35°	224.6	223.1	221.3	220.0	218.2	216.4	217.1	218.3	220.0	221.7	223.5
35.5°	222.8	221.2	219.4	218.0	216.2	214.5	215.3	216.5	218.3	219.9	221.5
36°	221.0	219.2	217.6	216.1	214.4	212.5	213.3	214.6	216.3	218.1	219.5
36.5°	219.2	217.4	215.6	214.2	212.5	210.5	211.4	212.6	214.2	216.1	217.5
37°	217.2	215.5	213.6	212.5	210.5	208.6	209.4	210.6	212.4	214.2	215.8
37.5°	215.1	213.6	211.7	210.5	208.6	206.8	207.5	208.7	210.5	212.2	213.8
38°	213.2	211.6	209.7	208.4	206.5	204.7	205.5	206.7	208.6	210.2	211.9
38.5°	211.4	209.6	207.8	206.4	204.5	202.6	203.4	204.8	206.6	208.3	209.9
39°	209.4	207.7	205.8	204.6	202.6	200.6	201.5	202.8	204.5	206.4	207.9
39.5°	207.4	205.7	203.9	202.6	200.8	198.7	199.6	200.8	202.4	204.3	205.9
40°	205.6	203.6	201.9	200.5	198.7	196.7	197.5	198.7	200.5	202.3	203.8
40.5°	203.5	201.7	199.8	198.3	196.6	194.7	195.4	196.6	198.5	200.3	201.7
41°	201.1	199.6	197.9	196.4	194.5	192.6	193.3	194.6	196.4	198.3	199.9
41.5°	199.1	197.7	195.8	194.4	192.5	190.5	191.2	192.6	194.4	196.0	197.9
42°	197.3	195.4	193.7	192.4	190.6	188.4	189.3	190.6	192.4	194.1	195.7
42.5°	195.3	193.4	191.6	190.3	188.5	186.5	187.3	188.4	190.3	192.1	193.6
43°	193.2	191.4	189.7	188.3	186.4	184.4	185.2	186.3	188.1	190.0	191.5
43.5°	191.0	189.4	187.5	186.3	184.3	182.3	183.0	184.2	186.0	187.8	189.4
44°	189.0	187.2	185.4	184.2	182.1	180.1	180.9	182.1	184.0	185.6	187.4
44.5°	187.0	185.1	183.2	182.0	180.0	178.1	178.7	180.0	181.8	183.6	185.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	184.8	182.9	181.2	179.8	178.0	176.0	176.6	178.0	179.7	181.6	183.1
45.5°	182.8	180.9	179.1	177.7	175.8	173.8	174.7	175.9	177.5	179.4	181.1
46°	180.6	178.7	177.0	175.7	173.8	171.7	172.6	173.6	175.5	177.1	178.9
46.5°	178.5	176.6	174.8	173.5	171.6	169.6	170.4	171.4	173.4	175.0	176.7
47°	176.4	174.6	172.6	171.4	169.4	167.5	168.2	169.3	171.3	172.8	174.6
47.5°	174.2	172.4	170.5	169.2	167.2	165.4	166.1	167.2	169.2	170.7	172.5
48°	172.0	170.2	168.4	167.2	165.0	163.2	164.0	165.1	167.0	168.5	170.3
48.5°	169.9	168.0	166.3	165.1	163.0	161.1	161.8	163.0	164.8	166.5	168.1
49°	167.9	165.8	164.1	162.9	160.9	158.9	159.6	160.7	162.6	164.4	165.9
49.5°	165.7	163.8	162.0	160.8	158.7	156.8	157.6	158.5	160.6	162.3	163.8
50°	163.5	161.7	159.8	158.7	156.5	154.6	155.4	156.3	158.4	160.0	161.6
50.5°	161.3	159.6	157.7	156.6	154.4	152.5	153.2	154.3	156.2	157.7	159.5
51°	159.1	157.3	155.5	154.4	152.3	150.3	151.0	152.2	153.9	155.6	157.3
51.5°	157.0	155.2	153.4	152.0	150.2	148.1	148.9	150.1	151.8	153.5	155.0
52°	154.8	153.0	151.3	149.9	148.0	145.9	146.8	147.9	149.7	151.4	152.8
52.5°	152.7	150.8	149.0	147.8	145.9	143.8	144.6	145.8	147.5	149.2	150.8
53°	150.5	148.7	146.9	145.7	143.7	141.6	142.3	143.5	145.1	147.0	148.6
53.5°	148.1	146.5	144.7	143.4	141.6	139.4	140.0	141.4	143.0	144.8	146.3
54°	145.9	144.3	142.5	141.2	139.4	137.2	137.8	139.3	140.8	142.6	144.1
54.5°	143.7	142.0	140.4	139.0	137.2	135.0	135.7	137.1	138.7	140.4	142.1
55°	141.5	139.9	138.3	136.9	135.0	132.7	133.5	134.8	136.5	138.2	139.8
55.5°	139.3	137.8	136.1	134.6	132.8	130.6	131.3	132.5	134.1	136.1	137.5
56°	137.0	135.5	133.9	132.4	130.8	128.3	129.2	130.4	131.9	133.9	135.2
56.5°	134.8	133.2	131.6	130.2	128.5	126.2	126.9	128.3	129.8	131.6	133.1
57°	132.5	131.1	129.4	128.1	126.3	124.0	124.6	126.1	127.6	129.3	130.9
57.5°	130.4	128.9	127.2	125.9	123.9	121.8	122.4	123.8	125.3	127.1	128.6
58°	128.1	126.7	125.1	123.6	121.8	119.5	120.3	121.6	123.1	124.9	126.4
58.5°	125.9	124.4	122.9	121.4	119.8	117.4	118.1	119.4	120.8	122.7	124.2
59°	123.7	122.2	120.7	119.2	117.5	115.2	115.9	117.2	118.7	120.5	121.9
59.5°	121.4	119.9	118.4	116.9	115.2	112.9	113.6	114.9	116.4	118.2	119.6
60°	119.1	117.8	116.1	114.7	113.0	110.8	111.4	112.7	114.2	115.9	117.4
60.5°	116.8	115.6	113.9	112.6	110.8	108.5	109.1	110.5	111.9	113.7	115.2
61°	114.6	113.2	111.7	110.3	108.6	106.3	106.9	108.3	109.7	111.4	112.9
61.5°	112.4	111.0	109.5	108.1	106.4	104.0	104.7	106.1	107.5	109.2	110.7
62°	110.2	108.7	107.2	105.9	104.2	101.8	102.6	103.7	105.3	107.0	108.3
62.5°	107.8	106.5	105.0	103.7	101.9	99.6	100.3	101.5	103.0	104.6	106.0
63°	105.6	104.2	102.7	101.5	99.7	97.4	98.1	99.3	100.8	102.3	103.7
63.5°	103.3	101.9	100.4	99.3	97.4	95.1	95.8	97.1	98.6	100.0	101.5
64°	101.0	99.7	98.2	97.0	95.2	92.9	93.6	94.9	96.3	97.8	99.2
64.5°	98.8	97.4	95.9	94.8	93.0	90.7	91.3	92.6	94.1	95.5	96.9
65°	96.6	95.2	93.7	92.6	90.8	88.4	89.1	90.4	91.9	93.3	94.6
65.5°	94.3	92.9	91.5	90.4	88.6	86.2	86.9	88.0	89.6	91.0	92.4
66°	92.0	90.6	89.2	88.2	86.4	84.0	84.6	85.8	87.4	88.8	90.1
66.5°	89.7	88.4	87.0	86.0	84.1	81.8	82.4	83.6	85.1	86.6	87.9
67°	87.5	86.1	84.8	83.8	81.9	79.6	80.2	81.4	82.9	84.2	85.6

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

Scaled Data Report

TEST NUMBER: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	85.2	83.8	82.5	81.6	79.7	77.4	78.0	79.1	80.7	81.9	83.3
68°	83.1	81.7	80.3	79.4	77.5	75.2	75.8	77.0	78.5	79.8	81.0
68.5°	80.8	79.4	78.0	77.2	75.2	73.0	73.6	74.7	76.3	77.6	78.8
69°	78.6	77.1	75.9	75.0	73.1	70.8	71.4	72.4	74.0	75.3	76.6
69.5°	76.4	74.9	73.7	72.8	70.9	68.7	69.2	70.3	71.9	73.0	74.3
70°	74.2	72.8	71.5	70.6	68.7	66.5	67.1	68.2	69.7	70.8	72.0
70.5°	72.0	70.6	69.3	68.5	66.6	64.4	65.0	65.9	67.6	68.7	69.9
71°	69.8	68.4	67.1	66.4	64.4	62.3	62.9	63.8	65.4	66.5	67.7
71.5°	67.6	66.3	65.0	64.2	62.3	60.1	60.7	61.7	63.2	64.3	65.5
72°	65.4	64.1	62.9	62.1	60.2	58.1	58.6	59.4	61.1	62.1	63.3
72.5°	63.3	61.9	60.7	60.0	58.1	56.0	56.5	57.3	59.0	60.0	61.2
73°	61.1	59.9	58.6	57.9	55.9	53.8	54.4	55.1	56.8	57.9	59.0
73.5°	59.0	57.7	56.5	55.8	53.8	51.8	52.2	53.1	54.7	55.7	56.9
74°	56.9	55.6	54.4	53.7	51.7	49.7	50.2	51.0	52.6	53.6	54.7
74.5°	54.8	53.5	52.4	51.6	49.7	47.7	48.2	48.9	50.5	51.6	52.6
75°	52.6	51.5	50.3	49.6	47.6	45.7	46.2	46.9	48.4	49.5	50.6
75.5°	50.6	49.4	48.3	47.6	45.6	43.6	44.1	44.8	46.4	47.4	48.5
76°	48.5	47.3	46.2	45.6	43.6	41.6	42.0	42.8	44.4	45.3	46.3
76.5°	46.4	45.3	44.2	43.5	41.6	39.6	40.1	40.7	42.3	43.3	44.2
77°	44.3	43.3	42.8	41.6	39.5	37.6	38.1	38.8	40.3	41.2	42.3
77.5°	42.4	41.3	40.7	39.6	37.6	35.7	36.2	36.8	38.3	39.3	40.3
78°	40.4	39.3	38.5	37.6	35.7	33.7	34.2	34.8	36.3	37.2	38.2
78.5°	38.4	37.4	36.4	35.7	33.7	31.8	32.2	32.9	34.3	35.3	36.2
79°	36.3	35.4	34.3	33.7	31.8	29.9	30.3	31.0	32.4	33.3	34.2
79.5°	34.3	33.4	32.4	31.8	29.9	28.0	28.5	29.0	30.4	31.3	32.3
80°	32.3	31.4	30.5	29.9	28.0	26.2	26.6	27.2	28.5	29.4	30.3
80.5°	30.4	29.5	28.6	28.0	26.2	24.4	24.7	25.3	26.6	27.6	28.4
81°	28.5	27.7	26.8	26.1	24.4	22.6	22.9	23.5	24.7	25.6	26.5
81.5°	26.5	25.8	24.9	24.3	22.6	20.7	21.1	21.7	22.9	23.8	24.6
82°	24.6	23.9	23.0	22.5	20.7	19.0	19.3	19.8	21.1	21.9	22.7
82.5°	22.8	22.1	21.3	20.7	18.9	17.2	17.5	18.1	19.2	20.1	20.9
83°	20.9	20.2	19.5	18.8	17.2	15.5	15.8	16.4	17.4	18.3	19.1
83.5°	19.1	18.4	17.7	17.1	15.5	13.8	14.1	14.6	15.7	16.6	17.3
84°	17.3	16.6	15.9	15.3	13.8	12.2	12.5	13.0	13.9	14.7	15.5
84.5°	15.5	14.9	14.2	13.6	12.2	10.5	10.8	11.3	12.2	13.0	13.8
85°	13.8	13.2	12.6	11.9	10.6	8.9	9.2	9.7	10.5	11.4	12.1
85.5°	12.0	11.5	10.9	10.3	9.0	7.3	7.5	8.1	8.9	9.7	10.4
86°	10.3	9.8	9.2	8.6	7.4	5.7	5.9	6.4	7.2	8.0	8.7
86.5°	8.6	8.2	7.6	7.0	5.7	4.2	4.4	4.8	5.5	6.3	7.0
87°	7.0	6.6	6.0	5.5	4.2	2.7	2.9	3.3	3.9	4.7	5.4
87.5°	5.4	5.0	4.5	4.0	2.8	1.4	1.5	1.9	2.4	3.1	3.8
88°	3.9	4.0	3.4	3.0	1.5	0.4	0.5	0.7	1.1	1.7	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	0.1	0.0	0.0	0.0

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

Scaled Data Report

TEST NUMBER: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

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	0.1	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.0	0.0	0.1	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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-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	0.1
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	0.2	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	0.2	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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

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°	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	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	0.3	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	0.3	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	0.3	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	0.3	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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-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	0.2	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	0.3	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	0.4	0.3	0.3	0.3	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	0.3
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	0.3
166°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
166.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
167°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
167.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
168°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3
168.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	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	0.3	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	0.3
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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	296.3	296.3	296.3	296.3	296.3	296.3
0.5°	296.3	296.3	296.2	296.0	296.5	296.4
1°	*296.4*	*296.2*	*296.2*	*296.2*	*296.4*	*296.6*
1.5°	296.5	296.0	296.2	296.4	296.2	296.5
2°	296.4	296.0	296.2	296.4	296.2	296.2
2.5°	296.1	296.2	296.2	296.2	296.4	296.1
3°	295.8	295.8	296.1	296.0	296.4	296.0
3.5°	295.7	295.8	296.0	295.9	295.7	296.0
4°	295.7	295.8	295.8	295.8	295.6	295.8
4.5°	295.6	295.3	295.8	295.6	295.6	295.5
5°	295.1	295.0	295.5	295.3	295.4	295.0
5.5°	294.4	294.9	295.0	295.0	295.0	294.7
6°	294.4	294.6	294.6	294.7	294.7	294.4
6.5°	294.0	293.9	294.5	294.4	294.3	293.9
7°	293.4	293.5	294.2	294.1	293.9	293.6
7.5°	293.0	293.4	293.8	293.6	293.6	293.5
8°	292.6	292.9	293.3	293.1	293.1	293.0
8.5°	292.1	292.3	292.7	292.7	292.5	292.0
9°	291.5	291.8	292.3	292.3	292.0	291.3
9.5°	290.9	291.2	291.8	291.7	291.5	291.0
10°	290.3	290.6	291.2	291.1	291.1	290.6
10.5°	289.6	290.0	290.7	290.5	290.4	289.9
11°	289.0	289.3	290.1	290.0	289.5	289.1
11.5°	288.3	288.6	289.5	289.4	288.8	288.3
12°	287.5	288.1	288.7	288.7	288.2	287.6
12.5°	286.5	287.3	288.1	287.9	287.5	286.9
13°	285.8	286.4	287.2	286.9	286.8	286.0
13.5°	285.1	285.6	286.6	286.2	285.9	285.1
14°	284.4	284.8	285.8	285.6	285.0	284.5
14.5°	283.5	283.9	284.8	284.9	284.1	283.7
15°	282.6	283.0	284.0	283.8	283.3	282.6
15.5°	281.3	282.3	283.1	282.8	282.2	281.4
16°	280.3	281.2	282.3	282.0	281.4	280.4
16.5°	279.5	280.0	281.3	281.0	280.5	279.7
17°	278.6	279.0	280.2	280.0	279.4	278.8
17.5°	277.5	278.2	279.3	279.0	278.3	277.6
18°	276.3	277.3	278.2	278.0	277.3	276.3
18.5°	275.1	275.9	277.2	276.9	276.2	275.2
19°	274.0	274.8	276.0	275.8	275.0	274.2
19.5°	272.7	273.6	274.9	274.5	273.9	272.9
20°	271.5	272.5	273.8	273.4	272.8	271.8
20.5°	270.4	271.1	272.7	272.3	271.5	270.6
21°	269.2	269.9	271.4	271.0	270.1	269.3
21.5°	267.8	268.7	270.1	269.8	269.1	268.0
22°	266.4	267.6	268.7	268.6	267.9	266.6

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

Scaled Data Report

TEST NUMBER: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	265.1	266.1	267.5	267.3	266.4	265.3
23°	263.9	264.9	266.4	265.8	265.1	264.0
23.5°	262.5	263.5	265.0	264.5	263.8	262.6
24°	261.0	261.9	263.6	263.3	262.3	261.2
24.5°	259.6	260.6	262.1	261.9	260.8	259.7
25°	258.1	259.3	260.7	260.4	259.4	258.2
25.5°	256.5	257.6	259.4	258.9	258.2	256.6
26°	254.9	256.1	258.1	257.5	256.7	255.4
26.5°	253.5	254.7	256.5	256.1	255.0	253.9
27°	252.2	253.3	254.7	254.3	253.3	252.2
27.5°	250.7	251.5	253.3	252.8	251.9	250.6
28°	249.0	249.9	251.9	251.4	250.4	249.1
28.5°	247.2	248.5	250.2	249.9	248.7	247.3
29°	245.6	246.9	248.6	248.1	247.2	245.7
29.5°	244.0	245.3	247.0	246.4	245.7	244.1
30°	242.4	243.5	245.4	244.7	243.9	242.4
30.5°	240.5	241.8	243.7	243.1	242.2	240.7
31°	238.7	240.2	242.0	241.6	240.5	239.1
31.5°	237.1	238.6	240.3	240.0	238.8	237.3
32°	235.4	236.8	238.5	238.1	237.2	235.6
32.5°	233.7	235.0	236.8	236.2	235.4	233.7
33°	231.8	233.2	235.3	234.5	233.5	231.9
33.5°	230.0	231.4	233.4	232.9	231.6	230.4
34°	228.3	229.6	231.4	231.2	229.9	228.5
34.5°	226.4	227.8	229.6	229.4	228.2	226.6
35°	224.5	226.0	228.0	227.3	226.3	224.6
35.5°	222.7	224.0	226.2	225.3	224.3	222.8
36°	220.8	222.1	224.3	223.5	222.5	221.0
36.5°	218.9	220.4	222.3	221.8	220.8	219.2
37°	217.0	218.6	220.4	219.9	218.8	217.2
37.5°	215.1	216.4	218.5	218.0	216.8	215.1
38°	213.1	214.5	216.5	216.0	215.0	213.2
38.5°	210.9	212.7	214.7	214.0	213.1	211.4
39°	209.0	210.6	212.8	212.0	211.0	209.4
39.5°	207.4	208.7	210.7	210.1	209.0	207.4
40°	205.2	206.7	208.8	208.2	207.0	205.6
40.5°	203.0	204.7	206.8	206.2	205.0	203.5
41°	200.9	202.7	204.7	204.0	203.0	201.1
41.5°	199.0	200.7	202.6	202.0	201.1	199.1
42°	197.0	198.6	200.6	200.1	199.0	197.3
42.5°	194.9	196.4	198.7	198.0	196.9	195.3
43°	192.8	194.4	196.6	195.9	194.8	193.2
43.5°	190.8	192.4	194.5	193.9	192.6	191.0
44°	188.6	190.3	192.5	191.8	190.6	189.0
44.5°	186.3	188.1	190.4	189.6	188.5	187.0

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

Scaled Data Report

TEST NUMBER: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	184.3	186.0	188.2	187.6	186.5	184.8
45.5°	182.2	183.9	186.1	185.6	184.4	182.8
46°	180.1	181.8	184.1	183.4	182.2	180.6
46.5°	178.1	179.6	181.9	181.2	180.0	178.5
47°	175.9	177.4	179.7	179.1	177.8	176.4
47.5°	173.8	175.3	177.6	176.9	175.6	174.2
48°	171.6	173.1	175.4	174.8	173.6	172.0
48.5°	169.4	171.0	173.3	172.7	171.5	169.9
49°	167.2	168.7	171.2	170.6	169.2	167.9
49.5°	165.1	166.6	169.1	168.4	167.0	165.7
50°	163.0	164.4	166.8	166.3	164.9	163.5
50.5°	160.8	162.3	164.7	164.0	162.8	161.3
51°	158.6	160.1	162.5	161.9	160.6	159.1
51.5°	156.3	157.9	160.3	159.6	158.5	157.0
52°	154.1	155.7	158.1	157.5	156.3	154.8
52.5°	152.0	153.6	156.0	155.3	154.2	152.7
53°	149.9	151.5	153.7	153.1	152.0	150.5
53.5°	147.5	149.2	151.5	150.8	149.7	148.1
54°	145.2	146.9	149.2	148.7	147.6	145.9
54.5°	143.0	144.9	147.0	146.5	145.4	143.7
55°	140.8	142.6	144.8	144.2	143.3	141.5
55.5°	138.6	140.4	142.6	141.9	141.0	139.3
56°	136.3	138.1	140.4	139.8	138.8	137.0
56.5°	134.1	135.9	138.2	137.5	136.5	134.8
57°	131.8	133.7	135.9	135.3	134.3	132.5
57.5°	129.5	131.6	133.6	133.1	132.2	130.4
58°	127.3	129.2	131.3	130.7	130.0	128.1
58.5°	125.0	126.9	129.2	128.5	127.6	125.9
59°	122.7	124.7	126.9	126.3	125.3	123.7
59.5°	120.6	122.4	124.6	124.0	123.1	121.4
60°	118.3	120.1	122.4	121.7	120.8	119.1
60.5°	116.0	117.9	120.1	119.5	118.6	116.8
61°	113.7	115.6	117.8	117.3	116.3	114.6
61.5°	111.4	113.3	115.5	114.9	114.1	112.4
62°	109.3	111.0	113.2	112.6	111.7	110.2
62.5°	107.0	108.8	111.0	110.4	109.5	107.8
63°	104.7	106.4	108.7	108.1	107.2	105.6
63.5°	102.5	104.1	106.3	105.9	104.9	103.3
64°	100.2	101.8	104.0	103.4	102.6	101.0
64.5°	97.9	99.5	101.7	101.2	100.3	98.8
65°	95.6	97.3	99.5	98.9	98.0	96.6
65.5°	93.4	94.9	97.2	96.7	95.8	94.3
66°	91.1	92.6	94.8	94.3	93.4	92.0
66.5°	88.9	90.4	92.5	92.0	91.1	89.7
67°	86.6	88.1	90.2	89.8	88.9	87.5

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

Scaled Data Report

TEST NUMBER: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	84.3	85.9	88.0	87.5	86.6	85.2
68°	82.1	83.6	85.7	85.1	84.3	83.1
68.5°	79.8	81.3	83.4	82.9	82.1	80.8
69°	77.6	79.0	81.2	80.7	79.8	78.6
69.5°	75.3	76.7	78.9	78.5	77.5	76.4
70°	73.1	74.5	76.7	76.2	75.3	74.2
70.5°	70.9	72.3	74.4	73.9	73.1	72.0
71°	68.7	70.0	72.2	71.7	70.9	69.8
71.5°	66.5	67.8	70.0	69.5	68.6	67.6
72°	64.4	65.6	67.8	67.3	66.3	65.4
72.5°	62.2	63.4	65.6	65.1	64.2	63.3
73°	60.0	61.2	63.4	62.9	62.0	61.1
73.5°	57.8	59.0	61.2	60.7	59.8	59.0
74°	55.7	56.8	59.1	58.6	57.6	56.9
74.5°	53.5	54.7	57.0	56.5	55.5	54.8
75°	51.5	52.6	54.8	54.3	53.3	52.6
75.5°	49.3	50.4	52.6	52.2	51.3	50.6
76°	47.2	48.3	50.5	50.1	49.1	48.5
76.5°	45.1	46.2	48.4	48.0	47.0	46.4
77°	43.1	44.2	46.3	45.8	44.9	44.3
77.5°	41.0	42.7	44.2	43.8	42.9	42.4
78°	39.0	40.6	42.2	41.8	40.9	40.4
78.5°	36.9	38.4	40.1	39.7	38.9	38.4
79°	34.9	36.2	38.1	37.7	36.9	36.3
79.5°	32.9	34.1	36.0	35.6	34.9	34.3
80°	31.0	32.1	34.0	33.6	32.9	32.3
80.5°	29.1	30.1	32.0	31.6	30.9	30.4
81°	27.1	28.2	30.1	29.8	29.0	28.5
81.5°	25.2	26.3	28.1	27.8	27.1	26.5
82°	23.3	24.3	26.2	25.8	25.1	24.6
82.5°	21.5	22.5	24.3	23.9	23.3	22.8
83°	19.6	20.6	22.5	22.1	21.4	20.9
83.5°	17.8	18.8	20.6	20.3	19.6	19.1
84°	16.0	17.0	18.8	18.4	17.8	17.3
84.5°	14.2	15.3	17.0	16.6	16.0	15.5
85°	12.5	13.5	15.2	14.9	14.2	13.8
85.5°	10.8	11.8	13.4	13.1	12.5	12.0
86°	9.1	10.1	11.8	11.4	10.8	10.3
86.5°	7.4	8.5	10.0	9.7	9.2	8.6
87°	5.7	6.8	8.4	8.1	7.5	7.0
87.5°	4.1	5.2	6.8	6.4	6.0	5.4
88°	2.6	3.7	5.2	4.9	4.4	3.9
88.5°	1.2	2.2	4.1	3.7	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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

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	0.1	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	0.1	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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-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	0.1	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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

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	0.2	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	0.2	0.1	0.1
141.5°	0.2	0.2	0.2	0.2	0.1	0.2
142°	0.2	0.2	0.2	0.2	0.1	0.2
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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.4	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	0.3	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°	0.3	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°	0.3	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	0.3	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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-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: P1596586
CATALOG NUMBER: HLB2LSFS5-HI-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	29.97	31.59	30.34	31.91	32.23	29.61	31.23	29.97	31.54	31.86
	3H	31.77	33.23	32.15	33.56	33.92	31.34	32.81	31.72	33.14	33.50
	4H	32.45	33.83	32.85	34.18	34.56	31.98	33.36	32.38	33.71	34.09
	6H	32.97	34.25	33.38	34.62	35.01	32.44	33.72	32.86	34.09	34.48
	8H	33.14	34.36	33.57	34.75	35.15	32.58	33.80	33.01	34.19	34.59
	12H	33.21	34.38	33.65	34.77	35.20	32.63	33.80	33.06	34.18	34.61
4H	2H	30.60	31.98	31.00	32.33	32.71	30.23	31.61	30.63	31.96	32.34
	3H	32.62	33.77	33.03	34.17	34.57	32.19	33.34	32.60	33.74	34.14
	4H	33.43	34.48	33.86	34.89	35.33	32.95	34.00	33.38	34.41	34.85
	6H	34.08	35.00	34.54	35.44	35.90	33.53	34.45	33.99	34.89	35.35
	8H	34.30	35.16	34.76	35.60	36.07	33.71	34.57	34.17	35.01	35.48
	12H	34.43	35.20	34.92	35.68	36.15	33.80	34.57	34.29	35.05	35.52
8H	4H	33.75	34.60	34.21	35.05	35.52	33.26	34.11	33.72	34.56	35.03
	6H	34.53	35.24	35.02	35.73	36.20	33.95	34.67	34.45	35.16	35.63
	8H	34.82	35.46	35.33	35.97	36.46	34.20	34.84	34.71	35.34	35.83
	12H	35.03	35.60	35.54	36.09	36.65	34.35	34.92	34.86	35.41	35.97
12H	4H	33.79	34.55	34.27	35.03	35.50	33.29	34.06	33.77	34.54	35.01
	6H	34.59	35.23	35.10	35.73	36.22	34.01	34.65	34.52	35.15	35.64
	8H	34.94	35.50	35.45	36.00	36.56	34.30	34.87	34.81	35.36	35.92

END OF REPORT