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: P1596589

Luminaire Tested: HLB2LSFS5-LO-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:	P1596589
	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-LO-3000K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	3000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

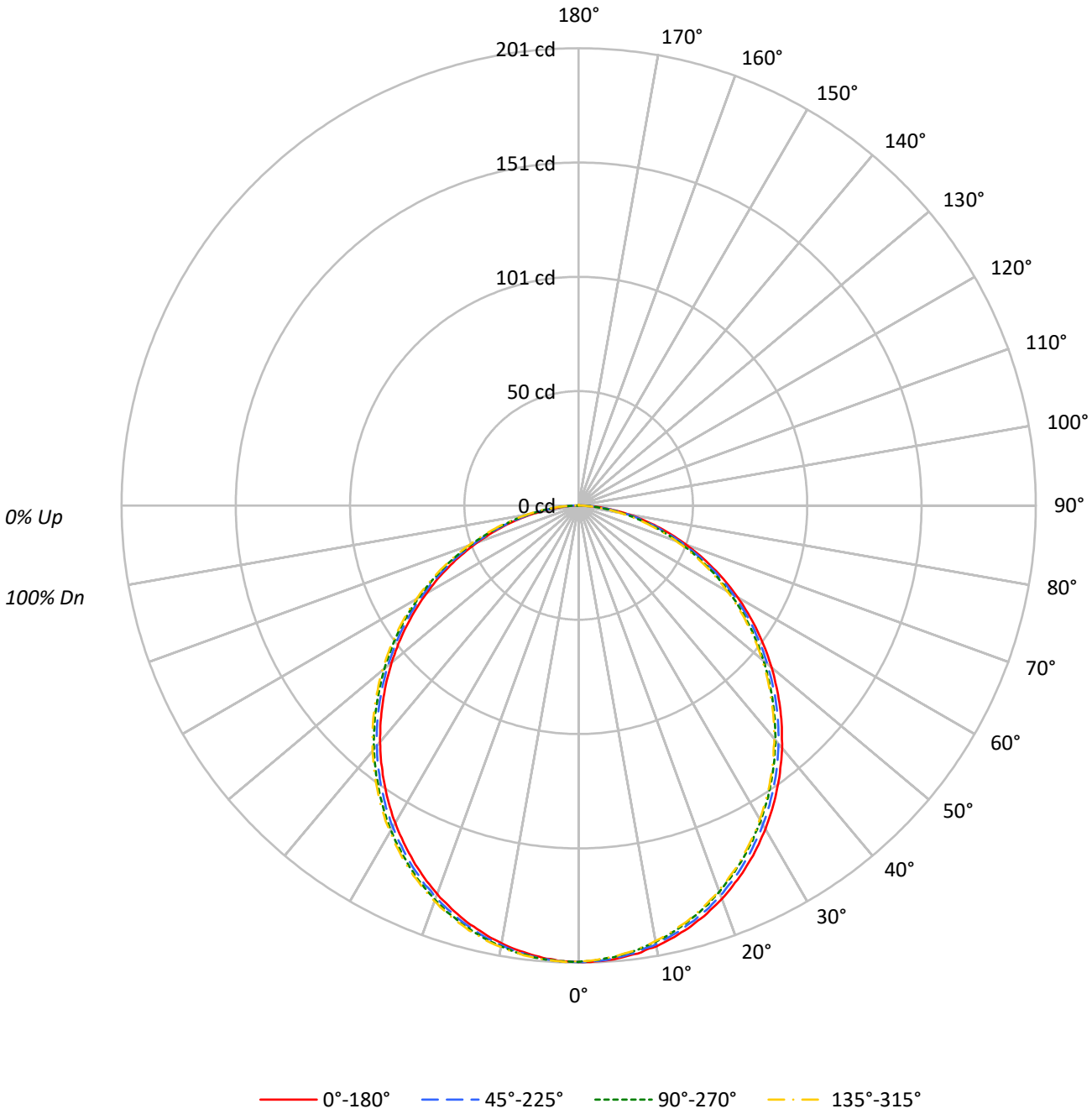
Lumens per Lamp:	N/A
Luminaire Lumens:	535.0 lumens
Efficiency:	N/A
Efficacy:	95.5 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	5.6
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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	56	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°	138260	138260	138260	138260
5°	138166	137475	137682	138166
10°	137665	136266	136686	137665
15°	136505	134579	135293	136719
20°	134964	132545	133278	135257
25°	132867	130054	130890	133475
30°	130615	127354	128149	131172
35°	127913	124213	125306	128670
40°	125180	121043	122123	125900
45°	121975	117396	118565	122657
50°	118747	113603	114996	119283
55°	115060	109775	110976	116021
60°	111187	105400	106502	112151
65°	106606	100248	101389	107421
70°	101112	93659	95069	101716
75°	94755	85706	87303	94755
80°	86881	75376	76566	86087
85°	73508	56910	56119	71928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 124118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	3.5
10°-20°	53.7	10.0
20°-30°	79.9	14.9
30°-40°	94.1	17.6
40°-50°	95.1	17.8
50°-60°	84.1	15.7
60°-70°	63.1	11.8
70°-80°	36.1	6.7
80°-90°	9.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	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°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	152.5	28.5
0°-40°	246.6	46.1
0°-60°	425.8	79.6
0°-90°	534.5	99.9
90°-120°	0.1	0.0
90°-150°	0.3	0.1
90°-180°	0.0	0.0
0°-180°	535.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	201	201	201	201	201	
5°	200	199	199	200	200	19
15°	191	189	190	192	191	54
25°	175	171	172	176	175	81
35°	152	148	149	153	152	95
45°	125	120	122	126	125	97
55°	96	91	92	97	96	86
65°	65	62	62	66	65	65
75°	36	32	33	36	36	38
85°	9	7	7	9	9	10
90°	0	0	0	1	0	0
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°	200.7	*200.7*	200.7	200.7	200.7	200.7	200.7	200.7	200.7	200.7	200.7
0.5°	200.8	*200.8*	200.8	200.7	200.4	200.3	200.5	200.5	200.6	200.8	200.7
1°	*200.8*	*201.0*	*200.7*	*200.6*	*200.4*	*200.2*	*200.3*	*200.5*	*200.5*	*200.8*	*200.6*
1.5°	200.8	*200.8*	200.5	200.4	200.3	200.1	200.2	200.4	200.6	200.7	200.7
2°	200.6	*200.5*	200.4	200.4	200.1	199.9	200.0	200.2	200.5	200.5	200.7
2.5°	200.5	*200.6*	200.4	200.4	199.9	199.8	199.8	200.0	200.4	200.3	200.5
3°	200.5	*200.5*	200.3	200.1	199.7	199.6	199.5	199.9	200.0	200.2	200.4
3.5°	200.4	*200.2*	200.1	199.7	199.4	199.4	199.3	199.7	199.8	200.3	200.2
4°	200.3	*200.0*	199.9	199.6	199.3	199.2	199.2	199.4	199.8	200.1	200.0
4.5°	200.1	*199.9*	199.6	199.6	199.2	198.8	199.0	199.0	199.6	199.8	199.9
5°	199.8	*199.8*	199.4	199.4	198.8	198.4	198.6	198.7	199.1	199.5	199.7
5.5°	199.6	*199.4*	199.1	198.9	198.4	198.1	198.2	198.6	198.9	199.2	199.5
6°	199.3	*199.0*	198.8	198.5	198.0	197.9	197.9	198.3	198.6	199.0	199.2
6.5°	199.0	*198.8*	198.5	198.3	197.8	197.5	197.6	197.9	198.2	198.7	198.9
7°	198.8	*198.7*	198.4	198.0	197.5	197.0	197.3	197.6	197.8	198.3	198.5
7.5°	198.8	*198.3*	198.0	197.6	197.2	196.6	196.8	197.1	197.5	198.0	198.2
8°	198.4	*197.8*	197.4	197.1	196.6	196.2	196.4	196.8	197.2	197.7	198.0
8.5°	197.7	*197.5*	196.9	196.7	196.1	195.7	196.0	196.3	196.8	197.2	197.6
9°	197.2	*197.1*	196.6	196.3	195.7	195.3	195.5	195.7	196.4	196.8	197.2
9.5°	197.1	*196.6*	196.4	195.9	195.3	194.8	195.0	195.4	195.9	196.4	196.7
10°	196.8	*196.2*	195.9	195.4	194.8	194.2	194.5	194.9	195.4	195.9	196.3
10.5°	196.3	*195.9*	195.3	194.8	194.3	193.7	193.9	194.3	194.9	195.4	195.8
11°	195.8	*195.4*	194.7	194.3	193.8	193.2	193.4	193.8	194.4	195.0	195.4
11.5°	195.3	*194.9*	194.2	193.9	193.2	192.6	192.8	193.3	194.0	194.4	194.8
12°	194.8	*194.3*	193.7	193.3	192.6	192.0	192.3	192.7	193.4	193.8	194.4
12.5°	194.3	*193.7*	193.1	192.7	192.0	191.3	191.6	192.1	192.7	193.4	193.9
13°	193.7	*193.2*	192.6	192.0	191.4	190.7	190.9	191.5	192.1	192.8	193.3
13.5°	193.1	*192.7*	192.1	191.5	190.8	190.2	190.2	190.9	191.5	192.2	192.7
14°	192.6	*192.1*	191.4	190.9	190.2	189.5	189.7	190.1	190.8	191.4	192.1
14.5°	192.1	*191.4*	190.6	190.2	189.5	188.6	189.1	189.5	190.3	190.8	191.4
15°	191.4	*190.8*	190.0	189.5	188.7	187.9	188.3	188.9	189.7	190.3	190.8
15.5°	190.6	*190.2*	189.5	188.8	187.9	187.3	187.5	188.2	188.9	189.6	190.1
16°	189.9	*189.5*	188.7	188.0	187.3	186.6	186.8	187.4	188.1	188.8	189.5
16.5°	189.4	*188.6*	187.8	187.3	186.7	185.7	186.1	186.7	187.4	188.1	188.8
17°	188.8	*187.9*	187.1	186.6	185.8	184.9	185.3	185.8	186.7	187.4	187.9
17.5°	188.0	*187.2*	186.6	185.9	185.0	184.1	184.5	185.1	185.9	186.7	187.3
18°	187.1	*186.5*	185.8	185.1	184.3	183.4	183.6	184.4	185.0	186.0	186.6
18.5°	186.4	*185.7*	184.9	184.3	183.4	182.4	182.7	183.5	184.2	185.1	185.8
19°	185.7	*184.9*	184.0	183.4	182.4	181.6	182.0	182.6	183.5	184.2	185.1
19.5°	184.8	*184.0*	183.2	182.5	181.6	180.8	181.2	181.8	182.8	183.4	184.2
20°	184.1	*183.3*	182.4	181.7	180.8	179.8	180.2	181.0	181.8	182.7	183.4
20.5°	183.3	*182.5*	181.6	180.8	179.9	178.9	179.2	180.0	180.9	181.8	182.5
21°	182.4	*181.5*	180.6	180.0	178.9	178.0	178.4	179.1	180.0	180.9	181.5
21.5°	181.5	*180.7*	179.6	179.1	177.9	177.2	177.5	178.1	179.1	180.0	180.7
22°	180.5	*179.7*	178.8	178.0	177.1	176.1	176.4	177.2	178.2	179.0	180.0

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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°	179.6	178.7	177.9	177.0	176.2	175.1	175.5	176.3	177.3	178.2	179.0
23°	178.8	177.8	176.9	176.2	175.2	174.1	174.5	175.3	176.2	177.2	178.0
23.5°	177.8	176.9	176.0	175.2	174.1	173.1	173.6	174.3	175.2	176.2	177.0
24°	176.9	176.0	175.0	174.2	173.1	172.1	172.6	173.3	174.2	175.2	176.1
24.5°	175.9	175.0	174.0	173.3	172.1	171.1	171.5	172.2	173.4	174.3	175.2
25°	174.8	174.0	172.8	172.2	171.1	170.1	170.4	171.3	172.2	173.3	174.1
25.5°	173.8	172.9	171.9	171.1	170.1	169.1	169.3	170.2	171.1	172.2	173.1
26°	172.9	171.9	170.9	170.2	169.0	167.9	168.4	169.1	170.1	171.0	172.1
26.5°	172.0	170.8	169.8	168.9	167.8	166.8	167.3	168.1	169.1	170.1	171.0
27°	170.8	169.7	168.6	167.9	167.0	165.7	166.1	167.0	168.0	169.3	169.9
27.5°	169.7	168.8	167.5	166.9	165.8	164.6	165.0	165.9	166.9	168.0	168.7
28°	168.7	167.7	166.5	165.8	164.5	163.4	164.0	164.7	165.7	166.7	167.8
28.5°	167.5	166.6	165.5	164.5	163.3	162.4	162.9	163.6	164.7	165.7	166.8
29°	166.4	165.4	164.4	163.4	162.3	161.3	161.7	162.5	163.6	164.7	165.7
29.5°	165.3	164.2	163.2	162.4	161.2	160.1	160.4	161.5	162.4	163.6	164.5
30°	164.2	163.1	161.9	161.3	160.1	158.8	159.4	160.3	161.1	162.4	163.3
30.5°	163.0	162.0	160.9	160.0	158.9	157.6	158.2	159.0	160.1	161.2	162.3
31°	161.9	160.9	159.7	158.8	157.6	156.5	157.0	157.7	159.0	160.1	161.1
31.5°	160.7	159.8	158.5	157.7	156.3	155.4	155.7	156.6	157.7	158.9	159.7
32°	159.5	158.6	157.3	156.4	155.2	154.0	154.6	155.4	156.5	157.6	158.6
32.5°	158.3	157.3	156.2	155.1	154.1	152.8	153.3	154.2	155.3	156.5	157.6
33°	157.1	156.0	154.8	154.0	152.9	151.6	152.0	152.9	154.1	155.3	156.3
33.5°	156.0	154.8	153.6	152.8	151.5	150.3	150.8	151.6	152.9	153.9	155.0
34°	154.7	153.6	152.4	151.6	150.2	149.0	149.6	150.3	151.6	152.7	153.7
34.5°	153.4	152.4	151.2	150.3	149.0	147.7	148.3	149.1	150.3	151.5	152.6
35°	152.1	151.1	149.9	149.0	147.7	146.5	147.0	147.8	149.0	150.1	151.4
35.5°	150.9	149.8	148.6	147.7	146.4	145.2	145.8	146.6	147.8	148.9	150.0
36°	149.7	148.5	147.3	146.3	145.2	143.9	144.5	145.3	146.5	147.7	148.7
36.5°	148.4	147.2	146.0	145.1	143.9	142.5	143.2	144.0	145.1	146.3	147.3
37°	147.1	145.9	144.7	143.9	142.6	141.3	141.8	142.7	143.8	145.0	146.1
37.5°	145.7	144.7	143.3	142.6	141.3	140.1	140.5	141.4	142.6	143.7	144.8
38°	144.4	143.3	142.0	141.1	139.9	138.7	139.1	140.0	141.3	142.3	143.5
38.5°	143.1	142.0	140.7	139.8	138.5	137.2	137.7	138.7	139.9	141.1	142.1
39°	141.8	140.6	139.4	138.6	137.2	135.9	136.4	137.4	138.5	139.8	140.8
39.5°	140.5	139.3	138.1	137.2	136.0	134.5	135.2	136.0	137.1	138.4	139.4
40°	139.2	137.9	136.7	135.8	134.6	133.2	133.8	134.6	135.8	137.0	138.0
40.5°	137.8	136.6	135.3	134.3	133.2	131.9	132.3	133.2	134.5	135.6	136.6
41°	136.2	135.2	134.0	133.0	131.7	130.4	130.9	131.8	133.0	134.3	135.4
41.5°	134.8	133.9	132.6	131.7	130.4	129.0	129.5	130.4	131.6	132.7	134.0
42°	133.6	132.3	131.2	130.3	129.0	127.6	128.2	129.1	130.3	131.4	132.6
42.5°	132.3	130.9	129.8	128.9	127.7	126.3	126.8	127.6	128.9	130.1	131.1
43°	130.8	129.6	128.4	127.5	126.2	124.9	125.4	126.2	127.4	128.7	129.7
43.5°	129.4	128.3	127.0	126.2	124.8	123.4	124.0	124.8	126.0	127.2	128.3
44°	128.0	126.8	125.5	124.7	123.3	122.0	122.5	123.3	124.6	125.7	126.9
44.5°	126.6	125.3	124.1	123.3	121.9	120.6	121.0	121.9	123.1	124.3	125.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	125.2	123.9	122.7	121.8	120.5	119.2	119.6	120.5	121.7	123.0	124.0
45.5°	123.8	122.5	121.3	120.3	119.1	117.7	118.3	119.1	120.2	121.5	122.6
46°	122.3	121.0	119.9	119.0	117.7	116.3	116.9	117.6	118.8	120.0	121.1
46.5°	120.9	119.6	118.4	117.5	116.2	114.9	115.4	116.1	117.4	118.5	119.6
47°	119.4	118.2	116.9	116.1	114.7	113.4	113.9	114.7	116.0	117.0	118.3
47.5°	118.0	116.8	115.4	114.6	113.2	112.0	112.5	113.2	114.6	115.6	116.8
48°	116.5	115.3	114.1	113.2	111.7	110.5	111.0	111.8	113.1	114.1	115.3
48.5°	115.1	113.8	112.6	111.8	110.4	109.1	109.6	110.4	111.6	112.7	113.8
49°	113.7	112.3	111.1	110.3	109.0	107.6	108.1	108.9	110.1	111.3	112.4
49.5°	112.2	110.9	109.7	108.9	107.5	106.2	106.7	107.3	108.7	109.9	110.9
50°	110.8	109.5	108.2	107.5	106.0	104.7	105.2	105.8	107.3	108.4	109.4
50.5°	109.2	108.1	106.8	106.0	104.6	103.3	103.7	104.5	105.8	106.8	108.0
51°	107.7	106.5	105.3	104.5	103.1	101.8	102.3	103.1	104.2	105.4	106.5
51.5°	106.3	105.1	103.9	102.9	101.7	100.3	100.8	101.6	102.8	104.0	105.0
52°	104.8	103.6	102.4	101.5	100.3	98.8	99.4	100.2	101.3	102.5	103.5
52.5°	103.4	102.1	100.9	100.1	98.8	97.4	97.9	98.7	99.9	101.1	102.1
53°	101.9	100.7	99.5	98.7	97.3	95.9	96.4	97.2	98.3	99.5	100.7
53.5°	100.3	99.2	98.0	97.1	95.9	94.4	94.8	95.8	96.9	98.0	99.1
54°	98.8	97.7	96.5	95.6	94.4	92.9	93.3	94.3	95.4	96.6	97.6
54.5°	97.3	96.2	95.1	94.2	92.9	91.4	91.9	92.8	93.9	95.1	96.2
55°	95.8	94.8	93.6	92.7	91.4	89.9	90.4	91.3	92.4	93.6	94.7
55.5°	94.4	93.3	92.2	91.2	90.0	88.4	88.9	89.8	90.8	92.2	93.1
56°	92.8	91.7	90.6	89.7	88.6	86.9	87.5	88.3	89.3	90.6	91.5
56.5°	91.3	90.2	89.1	88.2	87.0	85.4	85.9	86.9	87.9	89.1	90.2
57°	89.8	88.8	87.7	86.7	85.6	84.0	84.4	85.4	86.4	87.5	88.7
57.5°	88.3	87.3	86.2	85.2	83.9	82.5	82.9	83.8	84.8	86.1	87.1
58°	86.7	85.8	84.7	83.7	82.5	80.9	81.4	82.3	83.4	84.6	85.6
58.5°	85.3	84.3	83.2	82.2	81.1	79.5	80.0	80.8	81.8	83.1	84.1
59°	83.8	82.7	81.7	80.7	79.6	78.0	78.5	79.3	80.4	81.6	82.6
59.5°	82.2	81.2	80.2	79.1	78.0	76.5	77.0	77.8	78.8	80.0	81.0
60°	80.7	79.8	78.6	77.7	76.5	75.0	75.4	76.3	77.3	78.5	79.5
60.5°	79.1	78.3	77.1	76.3	75.1	73.5	73.9	74.8	75.8	77.0	78.0
61°	77.6	76.7	75.6	74.7	73.6	72.0	72.4	73.3	74.3	75.5	76.5
61.5°	76.1	75.1	74.2	73.2	72.0	70.5	70.9	71.9	72.8	73.9	75.0
62°	74.6	73.6	72.6	71.7	70.5	68.9	69.5	70.3	71.3	72.5	73.4
62.5°	73.0	72.1	71.1	70.2	69.0	67.4	67.9	68.8	69.8	70.8	71.8
63°	71.5	70.6	69.5	68.7	67.5	65.9	66.4	67.3	68.3	69.3	70.3
63.5°	70.0	69.0	68.0	67.3	66.0	64.4	64.9	65.8	66.8	67.7	68.7
64°	68.4	67.5	66.5	65.7	64.5	62.9	63.4	64.2	65.2	66.2	67.2
64.5°	66.9	66.0	65.0	64.2	63.0	61.4	61.8	62.7	63.7	64.7	65.6
65°	65.4	64.4	63.5	62.7	61.5	59.9	60.3	61.2	62.2	63.2	64.1
65.5°	63.8	62.9	62.0	61.2	60.0	58.4	58.8	59.6	60.7	61.7	62.5
66°	62.3	61.3	60.4	59.7	58.5	56.9	57.3	58.1	59.2	60.2	61.0
66.5°	60.8	59.8	58.9	58.2	56.9	55.4	55.8	56.6	57.6	58.6	59.5
67°	59.3	58.3	57.4	56.7	55.4	53.9	54.3	55.2	56.1	57.0	58.0

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

Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	57.7	56.8	55.9	55.2	54.0	52.4	52.8	53.6	54.7	55.5	56.4
68°	56.2	55.3	54.4	53.7	52.5	50.9	51.3	52.1	53.2	54.0	54.9
68.5°	54.7	53.8	52.8	52.3	50.9	49.4	49.8	50.6	51.7	52.5	53.4
69°	53.2	52.2	51.4	50.8	49.5	48.0	48.4	49.1	50.1	51.0	51.9
69.5°	51.7	50.7	49.9	49.3	48.0	46.5	46.9	47.6	48.7	49.5	50.3
70°	50.2	49.3	48.4	47.8	46.5	45.0	45.4	46.2	47.2	48.0	48.8
70.5°	48.7	47.8	46.9	46.4	45.1	43.6	44.0	44.7	45.8	46.5	47.3
71°	47.3	46.3	45.4	45.0	43.6	42.2	42.6	43.2	44.3	45.0	45.9
71.5°	45.8	44.9	44.0	43.5	42.2	40.7	41.1	41.8	42.8	43.6	44.3
72°	44.3	43.4	42.6	42.0	40.7	39.3	39.7	40.3	41.4	42.1	42.9
72.5°	42.9	41.9	41.1	40.6	39.3	37.9	38.2	38.8	39.9	40.7	41.4
73°	41.4	40.5	39.7	39.2	37.9	36.5	36.8	37.3	38.5	39.2	40.0
73.5°	39.9	39.1	38.3	37.8	36.4	35.1	35.4	36.0	37.1	37.8	38.6
74°	38.5	37.7	36.9	36.4	35.0	33.7	34.0	34.6	35.6	36.3	37.0
74.5°	37.1	36.2	35.5	35.0	33.6	32.3	32.7	33.1	34.2	34.9	35.6
75°	35.6	34.9	34.1	33.6	32.2	30.9	31.3	31.7	32.8	33.5	34.2
75.5°	34.3	33.5	32.7	32.2	30.9	29.5	29.8	30.3	31.4	32.1	32.8
76°	32.8	32.1	31.3	30.9	29.5	28.2	28.5	29.0	30.0	30.7	31.4
76.5°	31.4	30.7	29.9	29.5	28.1	26.8	27.1	27.6	28.6	29.3	30.0
77°	30.0	29.3	29.0	28.1	26.8	25.5	25.8	26.3	27.3	27.9	28.7
77.5°	28.7	28.0	27.5	26.8	25.4	24.2	24.5	24.9	25.9	26.6	27.3
78°	27.4	26.6	26.1	25.5	24.2	22.9	23.1	23.6	24.6	25.2	25.9
78.5°	26.0	25.3	24.7	24.2	22.8	21.6	21.8	22.3	23.3	23.9	24.5
79°	24.6	24.0	23.2	22.8	21.5	20.3	20.5	21.0	21.9	22.5	23.2
79.5°	23.2	22.6	22.0	21.5	20.2	19.0	19.3	19.7	20.6	21.2	21.9
80°	21.9	21.3	20.7	20.2	19.0	17.8	18.0	18.4	19.3	19.9	20.6
80.5°	20.6	20.0	19.4	19.0	17.7	16.5	16.7	17.2	18.0	18.7	19.2
81°	19.3	18.7	18.1	17.7	16.5	15.3	15.5	15.9	16.8	17.4	18.0
81.5°	18.0	17.4	16.9	16.5	15.3	14.0	14.3	14.7	15.5	16.1	16.6
82°	16.7	16.2	15.6	15.2	14.0	12.8	13.1	13.4	14.3	14.8	15.4
82.5°	15.4	14.9	14.4	14.0	12.8	11.7	11.9	12.2	13.0	13.6	14.2
83°	14.2	13.7	13.2	12.7	11.7	10.5	10.7	11.1	11.8	12.4	12.9
83.5°	12.9	12.5	12.0	11.6	10.5	9.3	9.6	9.9	10.6	11.2	11.7
84°	11.7	11.3	10.8	10.4	9.3	8.2	8.4	8.8	9.4	10.0	10.5
84.5°	10.5	10.1	9.6	9.2	8.2	7.1	7.3	7.7	8.3	8.8	9.3
85°	9.3	8.9	8.5	8.1	7.2	6.0	6.2	6.6	7.1	7.7	8.2
85.5°	8.1	7.8	7.4	7.0	6.1	4.9	5.1	5.5	6.0	6.6	7.0
86°	7.0	6.7	6.2	5.8	5.0	3.8	4.0	4.3	4.9	5.4	5.9
86.5°	5.9	5.6	5.2	4.8	3.9	2.8	2.9	3.2	3.7	4.3	4.8
87°	4.7	4.5	4.1	3.7	2.9	1.8	1.9	2.2	2.7	3.2	3.6
87.5°	3.7	3.4	3.0	2.7	1.9	0.9	1.0	1.3	1.7	2.1	2.6
88°	2.6	2.7	2.3	2.0	1.0	0.3	0.3	0.5	0.8	1.1	1.5
88.5°	2.0	2.0	1.5	1.3	0.3	0.0	0.0	0.1	0.1	0.3	0.6
89°	1.3	1.4	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
89.5°	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

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

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Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-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	0.0	0.0	0.0
113°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	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: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
144°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
144.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
145°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
145.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
146°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
146.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
147°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
147.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
148°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2
148.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
149°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
149.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
150°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
150.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
151°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
151.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
152°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
152.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
157°	0.1	0.1	0.1	0.1	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: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
159°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
159.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
161°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
161.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
162°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
162.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
163°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
163.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
164°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
164.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
165°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
165.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
166°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
166.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
167°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
167.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
168°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
168.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
169°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
169.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
170°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
170.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
171°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
171.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
172°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
172.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
173°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
173.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
179°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1
179.5°	0.1	0.1	0.1	0.1	0.1	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: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.1	*0.1*	0.1	0.1	0.1	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: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	200.7	200.7	200.7	200.7	200.7	200.7
0.5°	200.7	200.7	200.6	200.5	200.8	200.8
1°	*200.8*	*200.6*	*200.6*	*200.6*	*200.8*	*200.8*
1.5°	200.8	200.4	200.6	200.8	200.6	200.8
2°	200.7	200.5	200.6	200.7	200.6	200.6
2.5°	200.6	200.6	200.6	200.6	200.7	200.5
3°	200.3	200.3	200.5	200.5	200.7	200.5
3.5°	200.3	200.3	200.4	200.4	200.3	200.4
4°	200.3	200.3	200.3	200.3	200.2	200.3
4.5°	200.2	200.0	200.3	200.2	200.2	200.1
5°	199.8	199.8	200.1	200.0	200.0	199.8
5.5°	199.4	199.7	199.8	199.7	199.8	199.6
6°	199.4	199.5	199.5	199.6	199.6	199.3
6.5°	199.1	199.0	199.4	199.4	199.3	199.0
7°	198.7	198.7	199.2	199.2	199.1	198.8
7.5°	198.4	198.7	199.0	198.8	198.8	198.8
8°	198.2	198.4	198.6	198.5	198.5	198.4
8.5°	197.8	198.0	198.2	198.2	198.1	197.7
9°	197.4	197.6	198.0	197.9	197.7	197.2
9.5°	197.0	197.2	197.6	197.6	197.4	197.1
10°	196.6	196.8	197.2	197.1	197.1	196.8
10.5°	196.1	196.4	196.9	196.8	196.6	196.3
11°	195.7	195.9	196.5	196.4	196.1	195.8
11.5°	195.3	195.5	196.0	196.0	195.6	195.3
12°	194.7	195.1	195.5	195.5	195.2	194.8
12.5°	194.0	194.6	195.1	195.0	194.7	194.3
13°	193.6	193.9	194.5	194.3	194.2	193.7
13.5°	193.1	193.4	194.1	193.8	193.6	193.1
14°	192.6	192.9	193.5	193.4	193.0	192.6
14.5°	192.0	192.2	192.9	192.9	192.4	192.1
15°	191.4	191.7	192.3	192.2	191.8	191.4
15.5°	190.5	191.2	191.7	191.5	191.1	190.6
16°	189.8	190.5	191.2	191.0	190.6	189.9
16.5°	189.3	189.6	190.5	190.3	190.0	189.4
17°	188.7	188.9	189.7	189.6	189.2	188.8
17.5°	187.9	188.4	189.1	189.0	188.5	188.0
18°	187.1	187.8	188.4	188.2	187.8	187.1
18.5°	186.3	186.9	187.8	187.5	187.0	186.4
19°	185.5	186.1	186.9	186.8	186.2	185.7
19.5°	184.7	185.3	186.2	185.9	185.5	184.8
20°	183.9	184.5	185.4	185.2	184.8	184.1
20.5°	183.1	183.6	184.7	184.4	183.9	183.3
21°	182.3	182.8	183.8	183.5	182.9	182.4
21.5°	181.4	182.0	182.9	182.7	182.2	181.5
22°	180.4	181.2	181.9	181.9	181.4	180.5

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	179.5	180.2	181.2	181.0	180.4	179.6
23°	178.7	179.4	180.4	180.0	179.5	178.8
23.5°	177.8	178.5	179.5	179.1	178.6	177.8
24°	176.8	177.4	178.5	178.3	177.6	176.9
24.5°	175.8	176.5	177.5	177.4	176.6	175.9
25°	174.8	175.6	176.6	176.3	175.7	174.8
25.5°	173.7	174.5	175.7	175.4	174.8	173.8
26°	172.6	173.4	174.8	174.4	173.9	172.9
26.5°	171.7	172.5	173.7	173.4	172.7	172.0
27°	170.8	171.5	172.5	172.2	171.5	170.8
27.5°	169.8	170.3	171.5	171.2	170.6	169.7
28°	168.6	169.3	170.6	170.2	169.6	168.7
28.5°	167.4	168.3	169.5	169.2	168.4	167.5
29°	166.3	167.2	168.4	168.0	167.4	166.4
29.5°	165.2	166.1	167.3	166.8	166.4	165.3
30°	164.2	164.9	166.2	165.7	165.2	164.2
30.5°	162.9	163.8	165.0	164.6	164.0	163.0
31°	161.7	162.7	163.9	163.6	162.9	161.9
31.5°	160.5	161.6	162.7	162.5	161.7	160.7
32°	159.4	160.4	161.5	161.2	160.6	159.5
32.5°	158.3	159.2	160.4	160.0	159.4	158.3
33°	157.0	157.9	159.3	158.8	158.1	157.1
33.5°	155.8	156.7	158.1	157.7	156.8	156.0
34°	154.6	155.5	156.7	156.5	155.7	154.7
34.5°	153.3	154.3	155.5	155.3	154.5	153.4
35°	152.0	153.0	154.4	153.9	153.2	152.1
35.5°	150.8	151.7	153.2	152.6	151.9	150.9
36°	149.5	150.4	151.9	151.4	150.7	149.7
36.5°	148.2	149.2	150.6	150.2	149.5	148.4
37°	146.9	148.0	149.3	148.9	148.2	147.1
37.5°	145.7	146.6	148.0	147.6	146.8	145.7
38°	144.3	145.2	146.6	146.3	145.6	144.4
38.5°	142.8	144.0	145.4	145.0	144.3	143.1
39°	141.5	142.7	144.1	143.5	142.9	141.8
39.5°	140.4	141.3	142.7	142.3	141.5	140.5
40°	139.0	140.0	141.4	141.0	140.2	139.2
40.5°	137.4	138.7	140.0	139.6	138.8	137.8
41°	136.1	137.2	138.7	138.1	137.5	136.2
41.5°	134.8	135.9	137.2	136.8	136.2	134.8
42°	133.4	134.5	135.9	135.5	134.8	133.6
42.5°	132.0	133.0	134.6	134.1	133.4	132.3
43°	130.6	131.6	133.1	132.7	131.9	130.8
43.5°	129.2	130.3	131.7	131.3	130.4	129.4
44°	127.7	128.9	130.3	129.9	129.1	128.0
44.5°	126.2	127.4	128.9	128.4	127.7	126.6

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

Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	124.8	125.9	127.4	127.0	126.3	125.2
45.5°	123.4	124.5	126.0	125.7	124.9	123.8
46°	122.0	123.1	124.7	124.2	123.4	122.3
46.5°	120.6	121.6	123.2	122.7	121.9	120.9
47°	119.1	120.1	121.7	121.3	120.4	119.4
47.5°	117.7	118.7	120.3	119.8	118.9	118.0
48°	116.2	117.2	118.8	118.4	117.5	116.5
48.5°	114.7	115.8	117.4	117.0	116.1	115.1
49°	113.3	114.3	116.0	115.5	114.6	113.7
49.5°	111.8	112.8	114.5	114.0	113.1	112.2
50°	110.4	111.3	113.0	112.6	111.7	110.8
50.5°	108.9	109.9	111.5	111.1	110.2	109.2
51°	107.4	108.4	110.0	109.6	108.8	107.7
51.5°	105.9	106.9	108.6	108.1	107.3	106.3
52°	104.4	105.4	107.1	106.6	105.8	104.8
52.5°	102.9	104.0	105.6	105.2	104.4	103.4
53°	101.5	102.6	104.1	103.7	103.0	101.9
53.5°	99.9	101.1	102.6	102.1	101.4	100.3
54°	98.3	99.5	101.1	100.7	99.9	98.8
54.5°	96.8	98.1	99.6	99.2	98.5	97.3
55°	95.4	96.6	98.0	97.7	97.1	95.8
55.5°	93.8	95.1	96.6	96.1	95.5	94.4
56°	92.3	93.5	95.1	94.7	94.0	92.8
56.5°	90.8	92.0	93.6	93.1	92.5	91.3
57°	89.2	90.5	92.0	91.6	91.0	89.8
57.5°	87.7	89.1	90.5	90.1	89.5	88.3
58°	86.2	87.5	88.9	88.5	88.0	86.7
58.5°	84.6	85.9	87.5	87.0	86.4	85.3
59°	83.1	84.4	85.9	85.5	84.8	83.8
59.5°	81.6	82.9	84.4	84.0	83.3	82.2
60°	80.1	81.4	82.9	82.4	81.8	80.7
60.5°	78.6	79.8	81.3	80.9	80.3	79.1
61°	77.0	78.3	79.8	79.4	78.8	77.6
61.5°	75.5	76.7	78.2	77.8	77.3	76.1
62°	74.0	75.2	76.7	76.3	75.7	74.6
62.5°	72.5	73.6	75.2	74.8	74.2	73.0
63°	70.9	72.1	73.6	73.2	72.6	71.5
63.5°	69.4	70.5	72.0	71.7	71.0	70.0
64°	67.8	68.9	70.4	70.1	69.5	68.4
64.5°	66.3	67.4	68.9	68.5	67.9	66.9
65°	64.8	65.9	67.4	67.0	66.4	65.4
65.5°	63.2	64.3	65.8	65.5	64.8	63.8
66°	61.7	62.7	64.2	63.9	63.3	62.3
66.5°	60.2	61.2	62.7	62.3	61.7	60.8
67°	58.6	59.7	61.1	60.8	60.2	59.3

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

Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	57.1	58.2	59.6	59.2	58.7	57.7
68°	55.6	56.6	58.1	57.7	57.1	56.2
68.5°	54.1	55.0	56.5	56.1	55.6	54.7
69°	52.6	53.5	55.0	54.6	54.0	53.2
69.5°	51.0	52.0	53.4	53.1	52.5	51.7
70°	49.5	50.5	51.9	51.6	51.0	50.2
70.5°	48.0	48.9	50.4	50.1	49.5	48.7
71°	46.5	47.4	48.9	48.6	48.0	47.3
71.5°	45.0	45.9	47.4	47.1	46.5	45.8
72°	43.6	44.4	45.9	45.6	44.9	44.3
72.5°	42.1	42.9	44.4	44.1	43.5	42.9
73°	40.6	41.4	42.9	42.6	42.0	41.4
73.5°	39.1	40.0	41.5	41.1	40.5	39.9
74°	37.7	38.5	40.0	39.7	39.0	38.5
74.5°	36.2	37.0	38.6	38.2	37.6	37.1
75°	34.9	35.6	37.1	36.8	36.1	35.6
75.5°	33.4	34.2	35.6	35.3	34.7	34.3
76°	32.0	32.7	34.2	33.9	33.3	32.8
76.5°	30.5	31.3	32.8	32.5	31.8	31.4
77°	29.2	29.9	31.4	31.0	30.4	30.0
77.5°	27.8	28.9	30.0	29.7	29.0	28.7
78°	26.4	27.5	28.6	28.3	27.7	27.4
78.5°	25.0	26.0	27.2	26.9	26.3	26.0
79°	23.6	24.5	25.8	25.5	25.0	24.6
79.5°	22.3	23.1	24.4	24.1	23.6	23.2
80°	21.0	21.7	23.0	22.8	22.3	21.9
80.5°	19.7	20.4	21.7	21.4	20.9	20.6
81°	18.4	19.1	20.4	20.1	19.6	19.3
81.5°	17.1	17.8	19.0	18.8	18.3	18.0
82°	15.8	16.5	17.7	17.5	17.0	16.7
82.5°	14.5	15.3	16.5	16.2	15.8	15.4
83°	13.3	14.0	15.2	15.0	14.5	14.2
83.5°	12.1	12.7	13.9	13.7	13.3	12.9
84°	10.8	11.5	12.7	12.5	12.0	11.7
84.5°	9.6	10.3	11.5	11.3	10.8	10.5
85°	8.5	9.1	10.3	10.1	9.6	9.3
85.5°	7.3	8.0	9.1	8.9	8.5	8.1
86°	6.2	6.8	8.0	7.7	7.3	7.0
86.5°	5.0	5.7	6.8	6.6	6.2	5.9
87°	3.9	4.6	5.7	5.5	5.1	4.7
87.5°	2.8	3.5	4.6	4.4	4.1	3.7
88°	1.8	2.5	3.5	3.3	3.0	2.6
88.5°	0.8	1.5	2.8	2.5	2.2	2.0
89°	0.2	1.2	2.1	1.7	1.5	1.3
89.5°	0.0	0.9	1.4	0.9	0.8	0.7

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

Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.6	0.7	0.1	0.1	0.0
90.5°	0.0	0.3	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.1	0.0	0.0	0.0	0.0
110°	0.0	0.1	0.0	0.0	0.0	0.0
110.5°	0.0	0.1	0.0	0.0	0.0	0.0
111°	0.0	0.1	0.1	0.0	0.1	0.1
111.5°	0.0	0.1	0.1	0.1	0.1	0.1
112°	0.0	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-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	0.1	0.1	0.1	0.1	0.1
129.5°	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
130.5°	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.1	0.1	0.1	0.1	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.1
136.5°	0.1	0.1	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1
138.5°	0.1	0.1	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.1	0.1
140.5°	0.1	0.1	0.1	0.1	0.1	0.1
141°	0.1	0.1	0.1	0.1	0.1	0.1
141.5°	0.1	0.1	0.1	0.1	0.1	0.1
142°	0.1	0.1	0.1	0.1	0.1	0.1
142.5°	0.1	0.1	0.1	0.1	0.1	0.1
143°	0.1	0.1	0.1	0.1	0.1	0.1
143.5°	0.1	0.1	0.1	0.1	0.1	0.1
144°	0.1	0.1	0.1	0.1	0.1	0.1
144.5°	0.1	0.1	0.1	0.1	0.1	0.1
145°	0.2	0.1	0.1	0.1	0.1	0.1
145.5°	0.2	0.1	0.1	0.1	0.1	0.1
146°	0.2	0.1	0.1	0.1	0.1	0.1
146.5°	0.2	0.1	0.1	0.1	0.1	0.1
147°	0.2	0.1	0.1	0.1	0.1	0.1
147.5°	0.2	0.1	0.1	0.1	0.1	0.1
148°	0.2	0.1	0.1	0.1	0.1	0.1
148.5°	0.2	0.1	0.1	0.1	0.1	0.1
149°	0.2	0.1	0.1	0.1	0.1	0.1
149.5°	0.2	0.1	0.1	0.1	0.1	0.1
150°	0.2	0.1	0.1	0.1	0.1	0.1
150.5°	0.2	0.1	0.1	0.1	0.1	0.1
151°	0.2	0.1	0.1	0.1	0.1	0.1
151.5°	0.2	0.1	0.1	0.1	0.1	0.1
152°	0.2	0.1	0.1	0.1	0.1	0.1
152.5°	0.2	0.1	0.1	0.1	0.1	0.1
153°	0.2	0.1	0.1	0.1	0.1	0.1
153.5°	0.2	0.1	0.1	0.1	0.1	0.1
154°	0.2	0.1	0.1	0.1	0.1	0.1
154.5°	0.2	0.1	0.1	0.1	0.1	0.1
155°	0.2	0.1	0.1	0.1	0.1	0.1
155.5°	0.2	0.1	0.1	0.1	0.1	0.1
156°	0.2	0.1	0.1	0.1	0.1	0.1
156.5°	0.2	0.1	0.1	0.1	0.1	0.1
157°	0.2	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: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.2	0.1	0.1	0.1	0.1	0.1
158°	0.2	0.1	0.1	0.1	0.1	0.1
158.5°	0.2	0.1	0.1	0.1	0.1	0.1
159°	0.2	0.1	0.1	0.1	0.1	0.1
159.5°	0.2	0.2	0.1	0.1	0.1	0.1
160°	0.2	0.2	0.1	0.1	0.1	0.1
160.5°	0.2	0.2	0.1	0.1	0.1	0.1
161°	0.2	0.2	0.1	0.1	0.1	0.1
161.5°	0.2	0.2	0.1	0.1	0.1	0.1
162°	0.3	0.2	0.1	0.1	0.1	0.1
162.5°	0.3	0.2	0.1	0.1	0.1	0.1
163°	0.3	0.2	0.1	0.1	0.1	0.1
163.5°	0.3	0.2	0.1	0.1	0.1	0.1
164°	0.3	0.2	0.1	0.1	0.1	0.1
164.5°	0.3	0.2	0.1	0.1	0.1	0.1
165°	0.3	0.2	0.1	0.1	0.1	0.1
165.5°	0.3	0.2	0.1	0.1	0.1	0.1
166°	0.3	0.2	0.1	0.1	0.1	0.1
166.5°	0.3	0.2	0.2	0.1	0.1	0.1
167°	0.3	0.2	0.2	0.1	0.1	0.1
167.5°	0.3	0.2	0.2	0.1	0.1	0.1
168°	0.3	0.2	0.2	0.1	0.1	0.1
168.5°	0.3	0.2	0.2	0.1	0.1	0.1
169°	0.3	0.2	0.2	0.1	0.1	0.1
169.5°	0.3	0.2	0.2	0.1	0.1	0.1
170°	0.3	0.2	0.2	0.1	0.1	0.1
170.5°	0.2	0.2	0.2	0.1	0.1	0.1
171°	0.2	0.2	0.2	0.1	0.1	0.1
171.5°	0.2	0.2	0.2	0.1	0.1	0.1
172°	0.2	0.2	0.2	0.1	0.1	0.1
172.5°	0.2	0.2	0.2	0.1	0.1	0.1
173°	0.2	0.2	0.2	0.1	0.1	0.1
173.5°	0.2	0.2	0.1	0.1	0.1	0.1
174°	0.2	0.1	0.1	0.1	0.1	0.1
174.5°	0.2	0.1	0.1	0.1	0.1	0.1
175°	0.2	0.1	0.1	0.1	0.1	0.1
175.5°	0.2	0.1	0.1	0.1	0.1	0.1
176°	0.2	0.1	0.1	0.1	0.1	0.1
176.5°	0.2	0.1	0.1	0.1	0.1	0.1
177°	0.2	0.1	0.1	0.1	0.1	0.1
177.5°	0.2	0.1	0.1	0.1	0.1	0.1
178°	0.2	0.1	0.1	0.1	0.1	0.1
178.5°	0.2	0.1	0.1	0.1	0.1	0.1
179°	0.1	0.1	0.1	0.1	0.1	0.1
179.5°	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: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.1	0.1	0.1	0.1	0.1	0.1

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TEST NUMBER: P1596589
CATALOG NUMBER: HLB2LSFS5-LO-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	28.62	30.24	28.98	30.56	30.87	28.25	29.87	28.62	30.19	30.51
	3H	30.41	31.88	30.79	32.21	32.57	29.99	31.45	30.37	31.78	32.15
	4H	31.10	32.48	31.50	32.83	33.20	30.63	32.01	31.03	32.36	32.74
	6H	31.62	32.90	32.03	33.26	33.65	31.09	32.37	31.50	32.73	33.13
	8H	31.79	33.01	32.21	33.40	33.80	31.22	32.45	31.65	32.84	33.24
	12H	31.86	33.03	32.29	33.41	33.84	31.27	32.44	31.70	32.83	33.26
4H	2H	29.24	30.63	29.64	30.97	31.35	28.88	30.26	29.28	30.61	30.99
	3H	31.26	32.42	31.67	32.82	33.22	30.83	31.99	31.24	32.39	32.79
	4H	32.08	33.12	32.51	33.54	33.98	31.60	32.64	32.03	33.06	33.50
	6H	32.73	33.64	33.18	34.09	34.54	32.18	33.09	32.63	33.53	33.99
	8H	32.95	33.80	33.41	34.25	34.71	32.36	33.21	32.82	33.66	34.12
	12H	33.08	33.85	33.56	34.33	34.80	32.45	33.22	32.93	33.70	34.17
8H	4H	32.40	33.25	32.86	33.70	34.16	31.90	32.76	32.37	33.20	33.67
	6H	33.17	33.88	33.67	34.37	34.85	32.60	33.31	33.10	33.80	34.28
	8H	33.47	34.11	33.98	34.61	35.10	32.84	33.48	33.35	33.99	34.48
	12H	33.68	34.24	34.19	34.74	35.30	33.00	33.56	33.51	34.05	34.62
12H	4H	32.43	33.20	32.91	33.68	34.15	31.94	32.71	32.42	33.18	33.66
	6H	33.23	33.87	33.74	34.38	34.87	32.65	33.29	33.16	33.80	34.29
	8H	33.59	34.15	34.10	34.64	35.21	32.95	33.51	33.46	34.01	34.57

END OF REPORT