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: P1596591

Luminaire Tested: HLB2LSFS5-LO-4000K

Issue Date: 10/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1596591
	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-4000K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	4000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

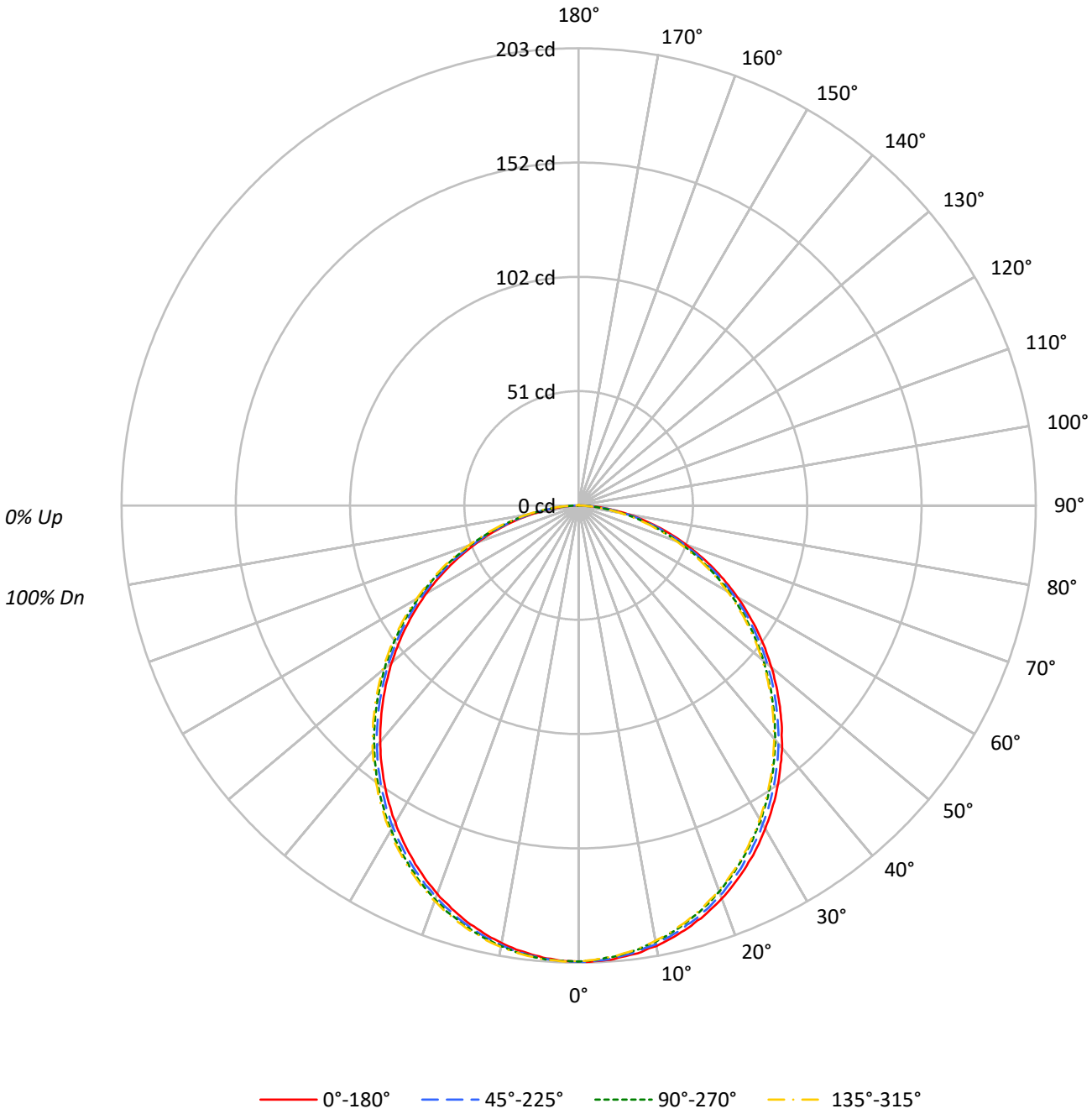
Lumens per Lamp:	N/A
Luminaire Lumens:	540.0 lumens
Efficiency:	N/A
Efficacy:	96.4 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	5.6
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	139500	139500	139500	139500
5°	139411	138788	138996	139480
10°	138994	137595	137945	138994
15°	137789	135863	136576	138003
20°	136210	133791	134524	136504
25°	134159	131270	132107	134767
30°	131808	128547	129342	132365
35°	129090	125390	126483	129931
40°	126349	122123	123202	127069
45°	123144	118467	119636	123826
50°	119819	114674	116068	120462
55°	116141	110856	112057	117102
60°	112151	106502	107605	113116
65°	107584	101226	102367	108399
70°	102119	94667	96076	102522
75°	95820	86504	88101	95820
80°	87674	75773	77360	86881
85°	74299	56910	56910	72718

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 125287 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	3.5
10°-20°	54.2	10.0
20°-30°	80.6	14.9
30°-40°	95.0	17.6
40°-50°	96.0	17.8
50°-60°	84.9	15.7
60°-70°	63.7	11.8
70°-80°	36.4	6.7
80°-90°	9.6	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°	153.9	28.5
0°-40°	248.9	46.1
0°-60°	429.8	79.6
0°-90°	539.5	99.9
90°-120°	0.1	0.0
90°-150°	0.3	0.1
90°-180°	0.0	0.0
0°-180°	540.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	202	202	202	202	202	
5°	202	201	201	202	202	19
15°	193	190	192	194	193	54
25°	176	173	174	177	176	81
35°	154	149	150	154	154	96
45°	126	122	123	127	126	97
55°	97	92	93	98	97	86
65°	66	62	63	66	66	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°	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5	202.5
0.5°	202.6	202.6	202.7	202.6	202.3	202.2	202.4	202.3	202.5	202.6	202.6
1°	202.7	202.8	202.6	202.4	202.2	202.1	202.2	202.3	202.4	202.7	202.5
1.5°	202.7	202.7	202.3	202.3	202.2	201.9	202.0	202.2	202.4	202.6	202.6
2°	202.5	202.4	202.3	202.3	202.0	201.8	201.9	202.0	202.4	202.3	202.5
2.5°	202.4	202.4	202.2	202.3	201.7	201.6	201.6	201.9	202.2	202.2	202.4
3°	202.4	202.3	202.2	202.0	201.6	201.4	201.4	201.8	201.9	202.1	202.3
3.5°	202.3	202.1	202.0	201.6	201.2	201.2	201.2	201.6	201.7	202.2	202.1
4°	202.2	201.9	201.8	201.5	201.2	201.0	201.1	201.3	201.7	202.0	201.9
4.5°	202.0	201.8	201.5	201.4	201.0	200.7	200.9	200.8	201.4	201.7	201.7
5°	201.6	201.6	201.2	201.2	200.7	200.3	200.5	200.6	201.0	201.3	201.5
5.5°	201.4	201.3	200.9	200.7	200.3	200.0	200.0	200.4	200.8	201.1	201.3
6°	201.2	200.9	200.6	200.4	199.9	199.7	199.7	200.1	200.5	200.8	201.1
6.5°	200.9	200.7	200.4	200.2	199.6	199.3	199.5	199.7	200.1	200.6	200.8
7°	200.7	200.5	200.2	199.8	199.3	198.8	199.1	199.4	199.7	200.1	200.4
7.5°	200.6	200.2	199.9	199.5	199.0	198.4	198.6	198.9	199.4	199.8	200.1
8°	200.3	199.7	199.3	199.0	198.5	198.1	198.2	198.6	199.1	199.5	199.8
8.5°	199.6	199.4	198.7	198.6	197.9	197.5	197.9	198.1	198.6	199.1	199.5
9°	199.1	199.0	198.5	198.2	197.5	197.2	197.3	197.6	198.2	198.7	199.1
9.5°	198.9	198.5	198.2	197.8	197.1	196.6	196.8	197.2	197.8	198.2	198.6
10°	198.7	198.0	197.8	197.3	196.7	196.0	196.3	196.8	197.2	197.7	198.1
10.5°	198.1	197.7	197.1	196.6	196.1	195.5	195.7	196.1	196.7	197.3	197.7
11°	197.6	197.2	196.5	196.1	195.6	195.0	195.2	195.6	196.2	196.8	197.2
11.5°	197.1	196.7	196.0	195.7	195.1	194.4	194.6	195.1	195.8	196.3	196.6
12°	196.6	196.1	195.6	195.1	194.4	193.8	194.1	194.5	195.2	195.7	196.3
12.5°	196.1	195.5	194.9	194.5	193.8	193.1	193.4	193.9	194.5	195.2	195.7
13°	195.5	195.1	194.4	193.8	193.2	192.5	192.7	193.3	193.9	194.6	195.1
13.5°	194.9	194.5	193.9	193.3	192.6	192.0	192.0	192.7	193.3	194.0	194.5
14°	194.4	193.9	193.2	192.7	192.0	191.3	191.5	191.9	192.6	193.2	193.9
14.5°	193.9	193.2	192.3	192.0	191.2	190.4	190.8	191.2	192.1	192.6	193.2
15°	193.2	192.5	191.8	191.3	190.5	189.6	190.0	190.6	191.5	192.0	192.6
15.5°	192.4	192.0	191.2	190.6	189.7	189.0	189.2	190.0	190.7	191.4	191.9
16°	191.7	191.2	190.5	189.8	189.0	188.3	188.5	189.2	189.9	190.6	191.3
16.5°	191.2	190.4	189.5	189.0	188.4	187.5	187.8	188.4	189.1	189.8	190.6
17°	190.5	189.7	188.9	188.4	187.5	186.7	187.1	187.5	188.4	189.2	189.7
17.5°	189.7	188.9	188.3	187.6	186.7	185.8	186.2	186.8	187.7	188.5	189.0
18°	188.8	188.2	187.5	186.8	186.0	185.1	185.3	186.1	186.7	187.8	188.3
18.5°	188.1	187.4	186.6	186.0	185.2	184.1	184.4	185.2	186.0	186.9	187.6
19°	187.4	186.6	185.7	185.1	184.2	183.3	183.7	184.3	185.2	185.9	186.8
19.5°	186.6	185.7	184.9	184.2	183.3	182.5	182.9	183.5	184.5	185.1	186.0
20°	185.8	185.0	184.1	183.4	182.5	181.5	181.9	182.7	183.5	184.4	185.1
20.5°	185.0	184.2	183.3	182.5	181.6	180.6	180.9	181.7	182.6	183.5	184.2
21°	184.1	183.2	182.2	181.7	180.6	179.7	180.1	180.8	181.6	182.6	183.2
21.5°	183.2	182.4	181.3	180.7	179.6	178.8	179.1	179.7	180.8	181.6	182.4
22°	182.2	181.4	180.4	179.7	178.7	177.8	178.1	178.8	179.9	180.7	181.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	181.3	180.4	179.6	178.7	177.8	176.7	177.1	178.0	178.9	179.8	180.6
23°	180.4	179.5	178.6	177.8	176.8	175.7	176.2	176.9	177.9	178.8	179.7
23.5°	179.5	178.6	177.6	176.8	175.7	174.8	175.2	175.9	176.8	177.9	178.7
24°	178.5	177.7	176.7	175.9	174.7	173.8	174.2	174.9	175.9	176.8	177.8
24.5°	177.5	176.6	175.6	174.9	173.7	172.7	173.1	173.8	175.0	175.9	176.8
25°	176.5	175.6	174.4	173.8	172.7	171.7	171.9	172.9	173.8	174.9	175.8
25.5°	175.4	174.5	173.5	172.7	171.7	170.7	170.9	171.8	172.7	173.9	174.7
26°	174.5	173.6	172.5	171.7	170.5	169.5	170.0	170.7	171.7	172.6	173.7
26.5°	173.6	172.4	171.4	170.5	169.4	168.3	168.9	169.6	170.7	171.7	172.6
27°	172.4	171.3	170.2	169.4	168.5	167.2	167.6	168.6	169.6	170.9	171.5
27.5°	171.3	170.3	169.1	168.5	167.4	166.2	166.5	167.4	168.4	169.6	170.3
28°	170.3	169.3	168.0	167.4	166.1	165.0	165.5	166.2	167.3	168.3	169.4
28.5°	169.1	168.1	167.0	166.0	164.9	163.9	164.4	165.1	166.2	167.3	168.4
29°	167.9	166.9	165.9	165.0	163.8	162.8	163.2	164.1	165.1	166.2	167.3
29.5°	166.8	165.7	164.7	163.9	162.7	161.6	161.9	163.0	164.0	165.1	166.0
30°	165.7	164.6	163.4	162.8	161.6	160.3	160.9	161.8	162.6	163.9	164.9
30.5°	164.5	163.5	162.4	161.5	160.4	159.1	159.7	160.5	161.6	162.7	163.8
31°	163.4	162.4	161.2	160.3	159.0	158.0	158.4	159.2	160.5	161.6	162.6
31.5°	162.2	161.3	159.9	159.2	157.8	156.8	157.2	158.1	159.1	160.3	161.2
32°	161.0	160.0	158.8	157.9	156.6	155.5	156.0	156.9	157.9	159.0	160.1
32.5°	159.8	158.7	157.6	156.6	155.5	154.2	154.7	155.6	156.8	157.9	159.1
33°	158.5	157.4	156.3	155.4	154.3	153.0	153.5	154.3	155.5	156.7	157.7
33.5°	157.5	156.2	155.0	154.2	152.9	151.8	152.2	153.1	154.3	155.4	156.4
34°	156.2	155.0	153.8	153.0	151.6	150.4	151.0	151.7	153.0	154.1	155.2
34.5°	154.9	153.8	152.6	151.7	150.4	149.1	149.7	150.5	151.7	152.9	154.0
35°	153.5	152.5	151.3	150.4	149.1	147.9	148.4	149.2	150.4	151.5	152.8
35.5°	152.3	151.2	150.0	149.0	147.8	146.6	147.2	148.0	149.2	150.3	151.4
36°	151.1	149.8	148.7	147.7	146.6	145.2	145.8	146.7	147.8	149.1	150.1
36.5°	149.8	148.6	147.4	146.4	145.2	143.9	144.5	145.3	146.4	147.7	148.7
37°	148.4	147.3	146.0	145.3	143.9	142.6	143.1	144.0	145.2	146.4	147.5
37.5°	147.0	146.0	144.7	143.9	142.6	141.4	141.8	142.7	143.9	145.0	146.2
38°	145.7	144.7	143.4	142.5	141.2	140.0	140.4	141.3	142.6	143.7	144.8
38.5°	144.5	143.3	142.0	141.1	139.8	138.5	139.0	140.0	141.2	142.4	143.5
39°	143.1	141.9	140.7	139.9	138.5	137.1	137.7	138.7	139.8	141.1	142.1
39.5°	141.8	140.6	139.4	138.5	137.2	135.8	136.4	137.3	138.4	139.7	140.7
40°	140.5	139.2	138.0	137.0	135.8	134.5	135.0	135.8	137.0	138.3	139.3
40.5°	139.1	137.8	136.6	135.6	134.4	133.1	133.5	134.4	135.7	136.9	137.9
41°	137.5	136.5	135.3	134.3	132.9	131.6	132.1	133.0	134.2	135.5	136.6
41.5°	136.1	135.1	133.9	132.9	131.6	130.2	130.7	131.7	132.9	134.0	135.3
42°	134.9	133.6	132.4	131.5	130.3	128.8	129.4	130.3	131.5	132.6	133.8
42.5°	133.5	132.2	131.0	130.1	128.8	127.5	128.0	128.8	130.1	131.3	132.3
43°	132.1	130.8	129.6	128.7	127.4	126.0	126.6	127.4	128.6	129.9	130.9
43.5°	130.6	129.5	128.2	127.3	126.0	124.6	125.1	125.9	127.2	128.3	129.5
44°	129.2	128.0	126.7	125.9	124.5	123.1	123.7	124.5	125.8	126.8	128.1
44.5°	127.8	126.5	125.2	124.4	123.0	121.8	122.1	123.0	124.3	125.5	126.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	126.4	125.0	123.9	122.9	121.6	120.3	120.7	121.6	122.8	124.1	125.2
45.5°	124.9	123.6	122.4	121.5	120.2	118.8	119.4	120.2	121.4	122.6	123.8
46°	123.5	122.2	121.0	120.1	118.8	117.4	118.0	118.7	120.0	121.1	122.3
46.5°	122.0	120.7	119.5	118.6	117.3	116.0	116.4	117.2	118.5	119.6	120.8
47°	120.6	119.3	118.0	117.2	115.8	114.5	115.0	115.7	117.1	118.1	119.4
47.5°	119.1	117.9	116.5	115.7	114.3	113.0	113.5	114.3	115.6	116.7	117.9
48°	117.6	116.4	115.1	114.3	112.8	111.6	112.1	112.9	114.1	115.2	116.4
48.5°	116.1	114.9	113.7	112.8	111.4	110.1	110.6	111.4	112.6	113.8	114.9
49°	114.8	113.3	112.2	111.4	110.0	108.6	109.1	109.9	111.2	112.3	113.4
49.5°	113.3	112.0	110.7	109.9	108.5	107.2	107.7	108.3	109.8	110.9	112.0
50°	111.8	110.6	109.3	108.5	107.0	105.7	106.2	106.8	108.3	109.4	110.4
50.5°	110.2	109.1	107.8	107.0	105.6	104.2	104.7	105.4	106.8	107.8	109.0
51°	108.7	107.5	106.3	105.5	104.1	102.7	103.2	104.1	105.2	106.4	107.5
51.5°	107.3	106.1	104.9	103.9	102.6	101.2	101.8	102.6	103.8	104.9	106.0
52°	105.8	104.6	103.4	102.4	101.2	99.8	100.3	101.1	102.3	103.5	104.5
52.5°	104.4	103.1	101.9	101.1	99.7	98.3	98.8	99.6	100.8	102.0	103.0
53°	102.8	101.6	100.4	99.6	98.2	96.8	97.3	98.1	99.2	100.5	101.6
53.5°	101.3	100.1	98.9	98.0	96.8	95.3	95.7	96.7	97.8	98.9	100.0
54°	99.7	98.6	97.4	96.5	95.3	93.8	94.2	95.2	96.3	97.5	98.5
54.5°	98.2	97.1	96.0	95.0	93.8	92.3	92.7	93.7	94.8	95.9	97.1
55°	96.7	95.7	94.5	93.6	92.3	90.7	91.3	92.1	93.3	94.5	95.6
55.5°	95.3	94.2	93.0	92.0	90.8	89.3	89.7	90.6	91.7	93.0	94.0
56°	93.7	92.6	91.5	90.5	89.4	87.7	88.3	89.1	90.2	91.5	92.4
56.5°	92.1	91.1	90.0	89.0	87.9	86.2	86.7	87.7	88.7	89.9	91.0
57°	90.6	89.6	88.5	87.5	86.4	84.7	85.2	86.2	87.2	88.4	89.5
57.5°	89.1	88.1	87.0	86.0	84.7	83.2	83.7	84.6	85.6	86.9	87.9
58°	87.6	86.6	85.5	84.5	83.3	81.7	82.2	83.1	84.1	85.4	86.4
58.5°	86.1	85.1	84.0	83.0	81.9	80.3	80.7	81.6	82.6	83.9	84.9
59°	84.5	83.5	82.5	81.5	80.3	78.7	79.2	80.1	81.1	82.3	83.3
59.5°	83.0	82.0	80.9	79.9	78.7	77.2	77.7	78.5	79.6	80.8	81.8
60°	81.4	80.5	79.4	78.4	77.3	75.7	76.2	77.0	78.1	79.2	80.2
60.5°	79.8	79.0	77.8	77.0	75.8	74.2	74.6	75.5	76.5	77.7	78.7
61°	78.3	77.4	76.3	75.4	74.2	72.7	73.1	74.0	75.0	76.2	77.2
61.5°	76.8	75.8	74.9	73.9	72.7	71.1	71.6	72.5	73.5	74.6	75.7
62°	75.3	74.3	73.3	72.4	71.2	69.6	70.1	70.9	72.0	73.1	74.1
62.5°	73.7	72.8	71.8	70.9	69.6	68.1	68.6	69.4	70.4	71.5	72.5
63°	72.2	71.2	70.2	69.4	68.1	66.5	67.0	67.9	68.9	69.9	70.9
63.5°	70.6	69.7	68.6	67.9	66.6	65.0	65.5	66.4	67.4	68.4	69.4
64°	69.1	68.1	67.1	66.3	65.1	63.5	64.0	64.8	65.8	66.8	67.8
64.5°	67.5	66.6	65.6	64.8	63.6	62.0	62.4	63.3	64.3	65.3	66.2
65°	66.0	65.0	64.1	63.3	62.1	60.4	60.9	61.8	62.8	63.8	64.7
65.5°	64.4	63.5	62.5	61.8	60.6	58.9	59.4	60.2	61.2	62.2	63.1
66°	62.9	61.9	61.0	60.3	59.1	57.4	57.9	58.6	59.7	60.7	61.6
66.5°	61.3	60.4	59.4	58.8	57.5	55.9	56.3	57.1	58.2	59.2	60.1
67°	59.8	58.8	57.9	57.2	56.0	54.4	54.8	55.7	56.6	57.6	58.5

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

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	58.3	57.3	56.4	55.7	54.5	52.9	53.3	54.1	55.2	56.0	57.0
68°	56.8	55.8	54.9	54.2	53.0	51.4	51.8	52.6	53.6	54.5	55.4
68.5°	55.2	54.3	53.3	52.7	51.4	49.9	50.3	51.1	52.1	53.0	53.9
69°	53.7	52.7	51.9	51.3	50.0	48.4	48.8	49.5	50.6	51.5	52.3
69.5°	52.2	51.2	50.4	49.8	48.5	46.9	47.3	48.0	49.1	49.9	50.8
70°	50.7	49.8	48.8	48.3	47.0	45.5	45.9	46.6	47.7	48.4	49.2
70.5°	49.2	48.3	47.4	46.8	45.5	44.0	44.4	45.1	46.2	47.0	47.8
71°	47.7	46.7	45.9	45.4	44.0	42.6	43.0	43.6	44.7	45.5	46.3
71.5°	46.2	45.3	44.4	43.9	42.6	41.1	41.5	42.1	43.2	44.0	44.7
72°	44.7	43.8	43.0	42.4	41.1	39.7	40.1	40.6	41.8	42.5	43.3
72.5°	43.3	42.3	41.5	41.0	39.7	38.3	38.6	39.2	40.3	41.0	41.8
73°	41.8	40.9	40.1	39.6	38.2	36.8	37.2	37.7	38.8	39.6	40.3
73.5°	40.3	39.5	38.6	38.1	36.8	35.4	35.7	36.3	37.4	38.1	38.9
74°	38.9	38.0	37.2	36.7	35.3	34.0	34.3	34.9	36.0	36.7	37.4
74.5°	37.4	36.6	35.8	35.3	34.0	32.6	33.0	33.4	34.5	35.3	35.9
75°	36.0	35.2	34.4	33.9	32.5	31.2	31.5	32.0	33.1	33.8	34.6
75.5°	34.6	33.8	33.0	32.5	31.1	29.8	30.1	30.6	31.7	32.4	33.1
76°	33.1	32.4	31.6	31.1	29.8	28.5	28.7	29.2	30.3	31.0	31.7
76.5°	31.7	31.0	30.2	29.7	28.4	27.1	27.4	27.8	28.9	29.6	30.2
77°	30.3	29.6	29.2	28.4	27.0	25.7	26.0	26.5	27.5	28.2	28.9
77.5°	29.0	28.2	27.8	27.1	25.7	24.4	24.7	25.2	26.2	26.8	27.5
78°	27.6	26.9	26.3	25.7	24.4	23.1	23.3	23.8	24.8	25.5	26.1
78.5°	26.2	25.5	24.9	24.4	23.1	21.8	22.0	22.5	23.5	24.1	24.7
79°	24.8	24.2	23.4	23.0	21.7	20.4	20.7	21.2	22.1	22.8	23.4
79.5°	23.5	22.8	22.2	21.7	20.4	19.2	19.5	19.9	20.8	21.4	22.1
80°	22.1	21.5	20.9	20.4	19.1	17.9	18.2	18.6	19.5	20.1	20.7
80.5°	20.7	20.2	19.6	19.1	17.9	16.7	16.9	17.3	18.2	18.8	19.4
81°	19.5	18.9	18.3	17.8	16.6	15.4	15.6	16.1	16.9	17.5	18.1
81.5°	18.1	17.6	17.0	16.6	15.4	14.2	14.4	14.8	15.7	16.2	16.8
82°	16.8	16.3	15.8	15.4	14.2	13.0	13.2	13.6	14.4	15.0	15.5
82.5°	15.6	15.1	14.5	14.1	12.9	11.8	12.0	12.4	13.1	13.7	14.3
83°	14.3	13.8	13.3	12.9	11.8	10.6	10.8	11.2	11.9	12.5	13.1
83.5°	13.1	12.6	12.1	11.7	10.6	9.4	9.7	10.0	10.7	11.3	11.8
84°	11.8	11.4	10.9	10.5	9.4	8.3	8.5	8.9	9.5	10.1	10.6
84.5°	10.6	10.2	9.7	9.3	8.3	7.2	7.4	7.7	8.4	8.9	9.4
85°	9.4	9.0	8.6	8.2	7.2	6.1	6.3	6.6	7.2	7.8	8.3
85.5°	8.2	7.9	7.4	7.0	6.1	5.0	5.2	5.5	6.1	6.6	7.1
86°	7.0	6.7	6.3	5.9	5.0	3.9	4.0	4.4	4.9	5.5	6.0
86.5°	5.9	5.6	5.2	4.8	3.9	2.8	3.0	3.3	3.8	4.3	4.8
87°	4.8	4.5	4.1	3.7	2.9	1.9	2.0	2.2	2.7	3.2	3.7
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	1.6
88.5°	2.0	2.1	1.6	1.4	0.3	0.0	0.0	0.1	0.1	0.4	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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

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	0.1	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
110.5°	0.1	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	0.1	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-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	0.0	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	0.1	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: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-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	0.1	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	0.2	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	0.2	0.1	0.1	0.1
147°	0.1	0.1	0.1	0.1	0.1	0.2	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	0.2
148°	0.1	0.1	0.1	0.1	0.2	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	0.2	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	0.2	0.2
152°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	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: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

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	0.3	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	0.3	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	0.2
179°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1

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

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

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: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	202.5	202.5	202.5	202.5	202.5	202.5
0.5°	202.6	202.5	202.5	202.3	202.7	202.6
1°	*202.6*	*202.4*	*202.4*	*202.4*	*202.6*	*202.7*
1.5°	202.7	202.3	202.5	202.6	202.5	202.7
2°	202.6	202.4	202.4	202.6	202.5	202.5
2.5°	202.4	202.4	202.5	202.4	202.6	202.4
3°	202.2	202.2	202.4	202.3	202.6	202.4
3.5°	202.1	202.2	202.3	202.2	202.2	202.3
4°	202.1	202.2	202.2	202.2	202.1	202.2
4.5°	202.0	201.9	202.2	202.1	202.0	202.0
5°	201.7	201.7	202.0	201.9	201.9	201.6
5.5°	201.3	201.6	201.6	201.6	201.6	201.4
6°	201.2	201.3	201.4	201.4	201.5	201.2
6.5°	201.0	200.9	201.3	201.2	201.2	200.9
7°	200.5	200.6	201.1	201.0	200.9	200.7
7.5°	200.3	200.6	200.9	200.7	200.7	200.6
8°	200.0	200.2	200.5	200.4	200.3	200.3
8.5°	199.6	199.8	200.1	200.1	199.9	199.6
9°	199.3	199.4	199.8	199.8	199.6	199.1
9.5°	198.9	199.0	199.5	199.4	199.3	198.9
10°	198.4	198.7	199.0	199.0	199.0	198.7
10.5°	198.0	198.2	198.7	198.6	198.5	198.1
11°	197.5	197.8	198.3	198.2	197.9	197.6
11.5°	197.1	197.3	197.9	197.8	197.4	197.1
12°	196.6	196.9	197.4	197.4	197.0	196.6
12.5°	195.8	196.4	196.9	196.8	196.5	196.1
13°	195.4	195.8	196.3	196.1	196.0	195.5
13.5°	194.9	195.2	195.9	195.6	195.4	194.9
14°	194.4	194.7	195.4	195.2	194.8	194.4
14.5°	193.8	194.0	194.7	194.7	194.2	193.9
15°	193.1	193.5	194.1	194.0	193.6	193.2
15.5°	192.3	193.0	193.5	193.3	192.9	192.4
16°	191.6	192.2	193.0	192.8	192.4	191.7
16.5°	191.1	191.4	192.3	192.1	191.8	191.2
17°	190.4	190.7	191.5	191.4	191.0	190.5
17.5°	189.7	190.2	190.9	190.7	190.3	189.7
18°	188.9	189.5	190.2	190.0	189.5	188.8
18.5°	188.1	188.6	189.5	189.3	188.8	188.1
19°	187.3	187.8	188.7	188.5	188.0	187.4
19.5°	186.4	187.0	187.9	187.6	187.2	186.6
20°	185.6	186.2	187.2	186.9	186.5	185.8
20.5°	184.9	185.3	186.4	186.2	185.6	185.0
21°	184.0	184.5	185.5	185.3	184.6	184.1
21.5°	183.1	183.7	184.6	184.4	183.9	183.2
22°	182.1	182.9	183.6	183.6	183.1	182.2

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

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	181.2	181.9	182.9	182.7	182.1	181.3
23°	180.4	181.1	182.1	181.7	181.2	180.4
23.5°	179.4	180.1	181.2	180.8	180.3	179.5
24°	178.4	179.0	180.2	179.9	179.3	178.5
24.5°	177.4	178.1	179.1	179.0	178.3	177.5
25°	176.4	177.3	178.2	178.0	177.3	176.5
25.5°	175.3	176.1	177.3	177.0	176.5	175.4
26°	174.2	175.0	176.4	176.0	175.5	174.5
26.5°	173.3	174.1	175.3	175.0	174.3	173.6
27°	172.4	173.1	174.1	173.8	173.2	172.4
27.5°	171.3	171.9	173.1	172.8	172.2	171.3
28°	170.2	170.8	172.2	171.8	171.2	170.3
28.5°	169.0	169.9	171.0	170.8	170.0	169.1
29°	167.9	168.8	169.9	169.6	168.9	167.9
29.5°	166.8	167.6	168.8	168.4	167.9	166.8
30°	165.7	166.4	167.7	167.3	166.7	165.7
30.5°	164.4	165.3	166.6	166.2	165.5	164.5
31°	163.2	164.2	165.4	165.1	164.4	163.4
31.5°	162.0	163.1	164.3	164.0	163.2	162.2
32°	160.9	161.9	163.0	162.7	162.1	161.0
32.5°	159.8	160.6	161.9	161.5	160.9	159.8
33°	158.5	159.4	160.8	160.3	159.6	158.5
33.5°	157.2	158.2	159.5	159.2	158.3	157.5
34°	156.0	157.0	158.2	158.0	157.1	156.2
34.5°	154.8	155.7	157.0	156.8	156.0	154.9
35°	153.4	154.5	155.8	155.4	154.7	153.5
35.5°	152.2	153.1	154.6	154.0	153.3	152.3
36°	150.9	151.8	153.3	152.8	152.1	151.1
36.5°	149.6	150.6	152.0	151.6	150.9	149.8
37°	148.3	149.4	150.7	150.3	149.6	148.4
37.5°	147.1	147.9	149.3	149.0	148.2	147.0
38°	145.7	146.6	148.0	147.6	146.9	145.7
38.5°	144.2	145.4	146.7	146.3	145.6	144.5
39°	142.9	144.0	145.4	144.9	144.2	143.1
39.5°	141.8	142.6	144.0	143.6	142.9	141.8
40°	140.3	141.3	142.7	142.3	141.5	140.5
40.5°	138.7	139.9	141.3	140.9	140.1	139.1
41°	137.3	138.5	139.9	139.4	138.8	137.5
41.5°	136.0	137.2	138.5	138.1	137.4	136.1
42°	134.6	135.7	137.1	136.7	136.0	134.9
42.5°	133.2	134.2	135.8	135.3	134.6	133.5
43°	131.8	132.9	134.4	133.9	133.1	132.1
43.5°	130.4	131.5	132.9	132.6	131.7	130.6
44°	128.9	130.1	131.5	131.1	130.3	129.2
44.5°	127.4	128.6	130.1	129.6	128.9	127.8

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

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	126.0	127.1	128.6	128.2	127.5	126.4
45.5°	124.5	125.7	127.2	126.8	126.0	124.9
46°	123.1	124.3	125.8	125.4	124.5	123.5
46.5°	121.7	122.8	124.4	123.9	123.1	122.0
47°	120.2	121.3	122.8	122.4	121.6	120.6
47.5°	118.8	119.8	121.4	120.9	120.1	119.1
48°	117.3	118.3	119.9	119.5	118.6	117.6
48.5°	115.8	116.9	118.5	118.1	117.2	116.1
49°	114.3	115.3	117.0	116.6	115.7	114.8
49.5°	112.9	113.9	115.6	115.1	114.1	113.3
50°	111.4	112.4	114.0	113.7	112.7	111.8
50.5°	109.9	111.0	112.5	112.1	111.3	110.2
51°	108.4	109.4	111.1	110.7	109.8	108.7
51.5°	106.9	107.9	109.6	109.1	108.3	107.3
52°	105.3	106.4	108.1	107.6	106.8	105.8
52.5°	103.9	105.0	106.6	106.1	105.4	104.4
53°	102.4	103.6	105.1	104.6	103.9	102.8
53.5°	100.9	102.0	103.5	103.1	102.3	101.3
54°	99.2	100.4	102.0	101.6	100.9	99.7
54.5°	97.8	99.0	100.5	100.1	99.4	98.2
55°	96.3	97.5	99.0	98.6	98.0	96.7
55.5°	94.7	96.0	97.5	97.0	96.4	95.3
56°	93.2	94.4	96.0	95.5	94.9	93.7
56.5°	91.6	92.9	94.4	94.0	93.3	92.1
57°	90.1	91.4	92.9	92.5	91.8	90.6
57.5°	88.5	89.9	91.3	91.0	90.4	89.1
58°	87.0	88.3	89.8	89.3	88.9	87.6
58.5°	85.4	86.7	88.3	87.8	87.2	86.1
59°	83.9	85.2	86.7	86.3	85.6	84.5
59.5°	82.4	83.7	85.2	84.8	84.1	83.0
60°	80.9	82.1	83.6	83.2	82.6	81.4
60.5°	79.3	80.6	82.1	81.7	81.1	79.8
61°	77.7	79.0	80.5	80.2	79.5	78.3
61.5°	76.2	77.4	79.0	78.6	78.0	76.8
62°	74.7	75.9	77.4	77.0	76.4	75.3
62.5°	73.1	74.3	75.9	75.5	74.8	73.7
63°	71.5	72.8	74.3	73.9	73.3	72.2
63.5°	70.0	71.2	72.7	72.4	71.7	70.6
64°	68.5	69.6	71.1	70.7	70.1	69.1
64.5°	66.9	68.0	69.5	69.2	68.6	67.5
65°	65.4	66.5	68.0	67.6	67.0	66.0
65.5°	63.8	64.9	66.4	66.1	65.5	64.4
66°	62.3	63.3	64.8	64.5	63.9	62.9
66.5°	60.8	61.8	63.3	62.9	62.3	61.3
67°	59.2	60.2	61.7	61.3	60.8	59.8

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

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	57.6	58.7	60.1	59.8	59.2	58.3
68°	56.1	57.1	58.6	58.2	57.6	56.8
68.5°	54.6	55.6	57.0	56.6	56.1	55.2
69°	53.0	54.0	55.5	55.1	54.5	53.7
69.5°	51.5	52.5	53.9	53.6	53.0	52.2
70°	50.0	50.9	52.4	52.1	51.5	50.7
70.5°	48.5	49.4	50.9	50.5	50.0	49.2
71°	47.0	47.9	49.3	49.0	48.4	47.7
71.5°	45.5	46.3	47.8	47.5	46.9	46.2
72°	44.0	44.8	46.4	46.0	45.3	44.7
72.5°	42.5	43.3	44.8	44.5	43.9	43.3
73°	41.0	41.8	43.3	43.0	42.4	41.8
73.5°	39.5	40.3	41.9	41.5	40.9	40.3
74°	38.1	38.8	40.4	40.1	39.4	38.9
74.5°	36.6	37.4	38.9	38.6	37.9	37.4
75°	35.2	36.0	37.4	37.1	36.5	36.0
75.5°	33.7	34.5	36.0	35.7	35.0	34.6
76°	32.3	33.0	34.5	34.2	33.6	33.1
76.5°	30.8	31.6	33.1	32.8	32.1	31.7
77°	29.4	30.2	31.7	31.3	30.7	30.3
77.5°	28.0	29.2	30.2	29.9	29.3	29.0
78°	26.6	27.7	28.8	28.5	27.9	27.6
78.5°	25.2	26.3	27.4	27.2	26.6	26.2
79°	23.9	24.8	26.0	25.8	25.2	24.8
79.5°	22.5	23.3	24.6	24.4	23.8	23.5
80°	21.2	21.9	23.2	23.0	22.5	22.1
80.5°	19.9	20.6	21.9	21.6	21.1	20.7
81°	18.6	19.3	20.6	20.3	19.8	19.5
81.5°	17.2	17.9	19.2	19.0	18.5	18.1
82°	15.9	16.6	17.9	17.6	17.2	16.8
82.5°	14.7	15.4	16.6	16.4	15.9	15.6
83°	13.4	14.1	15.4	15.1	14.6	14.3
83.5°	12.2	12.9	14.1	13.8	13.4	13.1
84°	10.9	11.6	12.8	12.6	12.2	11.8
84.5°	9.7	10.4	11.6	11.4	10.9	10.6
85°	8.6	9.2	10.4	10.2	9.7	9.4
85.5°	7.4	8.0	9.2	9.0	8.6	8.2
86°	6.2	6.9	8.0	7.8	7.4	7.0
86.5°	5.1	5.8	6.9	6.7	6.3	5.9
87°	3.9	4.7	5.7	5.5	5.2	4.8
87.5°	2.8	3.6	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	2.3	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: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

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	0.1	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	0.1	0.0	0.0	0.1
111°	0.0	0.1	0.1	0.1	0.1	0.1
111.5°	0.0	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-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	0.1	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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

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°	0.2	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: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

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	0.2	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°	0.3	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°	0.2	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: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-4000K

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: P1596591
CATALOG NUMBER: HLB2LSFS5-LO-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	28.65	30.27	29.02	30.59	30.91	28.28	29.91	28.65	30.22	30.54
	3H	30.45	31.91	30.82	32.24	32.60	30.02	31.49	30.40	31.81	32.18
	4H	31.13	32.51	31.53	32.86	33.24	30.66	32.04	31.06	32.39	32.77
	6H	31.65	32.93	32.06	33.30	33.69	31.12	32.40	31.53	32.77	33.16
	8H	31.82	33.04	32.25	33.43	33.83	31.26	32.48	31.68	32.87	33.27
	12H	31.89	33.06	32.32	33.45	33.88	31.30	32.48	31.74	32.86	33.29
4H	2H	29.28	30.66	29.68	31.01	31.39	28.91	30.29	29.31	30.64	31.02
	3H	31.29	32.45	31.70	32.85	33.25	30.86	32.02	31.28	32.42	32.82
	4H	32.11	33.16	32.54	33.57	34.01	31.63	32.68	32.06	33.09	33.53
	6H	32.76	33.68	33.22	34.12	34.58	32.21	33.12	32.67	33.57	34.02
	8H	32.98	33.84	33.44	34.28	34.75	32.39	33.24	32.85	33.69	34.16
	12H	33.11	33.88	33.59	34.36	34.83	32.48	33.25	32.96	33.73	34.20
8H	4H	32.43	33.28	32.89	33.73	34.19	31.94	32.79	32.40	33.24	33.70
	6H	33.21	33.92	33.70	34.41	34.88	32.63	33.34	33.13	33.83	34.31
	8H	33.50	34.14	34.01	34.65	35.13	32.88	33.51	33.39	34.02	34.51
	12H	33.71	34.28	34.22	34.77	35.33	33.03	33.59	33.54	34.09	34.65
12H	4H	32.46	33.23	32.95	33.71	34.18	31.97	32.74	32.45	33.22	33.69
	6H	33.27	33.90	33.78	34.41	34.90	32.69	33.32	33.20	33.83	34.32
	8H	33.62	34.18	34.13	34.68	35.24	32.98	33.55	33.49	34.04	34.60

END OF REPORT