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: P1596592

Luminaire Tested: HLB2LSFS5-LO-5000K

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:	P1596592
	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-5000K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	5000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

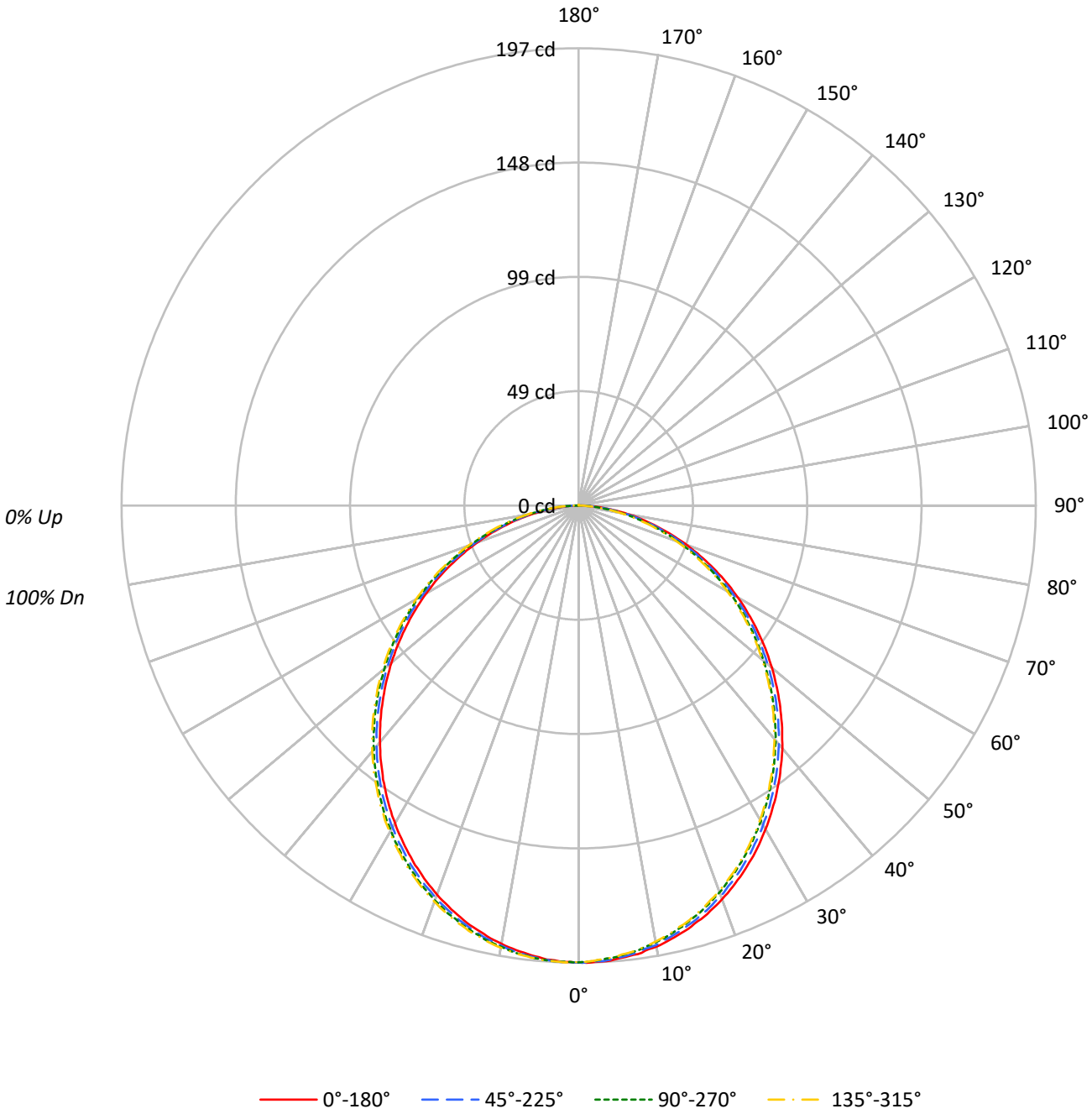
Lumens per Lamp:	N/A
Luminaire Lumens:	525.0 lumens
Efficiency:	N/A
Efficacy:	93.7 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	5.6
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	135643	135643	135643	135643
5°	135538	134916	135123	135607
10°	135077	133748	134098	135077
15°	133937	132083	132796	134151
20°	132398	130052	130785	132765
25°	130434	127622	128458	130966
30°	128149	124967	125763	128706
35°	125558	121942	122951	126315
40°	122842	118795	119784	123472
45°	119636	115252	116324	120416
50°	116496	111459	112852	117032
55°	113018	107734	108935	113859
60°	109120	103471	104574	109947
65°	104649	98292	99433	105301
70°	99299	92048	93257	99702
75°	93158	84109	85706	93158
80°	85294	73789	75376	84501
85°	71928	55329	55329	71137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 121877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	3.5
10°-20°	52.7	10.0
20°-30°	78.4	14.9
30°-40°	92.4	17.6
40°-50°	93.4	17.8
50°-60°	82.5	15.7
60°-70°	61.9	11.8
70°-80°	35.4	6.7
80°-90°	9.3	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°	149.6	28.5
0°-40°	242.0	46.1
0°-60°	417.9	79.6
0°-90°	524.5	99.9
90°-120°	0.1	0.0
90°-150°	0.3	0.1
90°-180°	0.0	0.0
0°-180°	525.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	197	197	197	197	197	
5°	196	195	195	196	196	19
15°	188	185	186	188	188	53
25°	172	168	169	172	172	79
35°	149	145	146	150	149	93
45°	123	118	119	124	123	95
55°	94	90	91	95	94	84
65°	64	60	61	65	64	64
75°	35	32	32	35	35	37
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°	196.9	*196.9*	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.9	196.9
0.5°	197.0	*197.0*	197.1	197.0	196.7	196.6	196.8	196.7	196.9	197.0	197.0
1°	*197.1*	*197.2*	*196.9*	*196.8*	*196.6*	*196.5*	*196.6*	*196.7*	*196.8*	*197.1*	*196.9*
1.5°	197.0	*197.1*	196.7	196.7	196.6	196.3	196.4	196.6	196.8	196.9	196.9
2°	196.8	*196.8*	196.6	196.7	196.4	196.2	196.3	196.4	196.8	196.7	196.9
2.5°	196.8	*196.8*	196.6	196.7	196.1	196.0	196.0	196.3	196.6	196.6	196.8
3°	196.7	*196.7*	196.6	196.4	196.0	195.8	195.8	196.2	196.3	196.4	196.7
3.5°	196.7	*196.4*	196.4	196.0	195.6	195.6	195.6	196.0	196.1	196.5	196.5
4°	196.6	*196.2*	196.2	195.9	195.6	195.5	195.5	195.7	196.1	196.4	196.3
4.5°	196.3	*196.2*	195.9	195.8	195.4	195.1	195.3	195.3	195.8	196.1	196.1
5°	196.0	*196.0*	195.6	195.6	195.1	194.7	194.9	195.0	195.4	195.7	195.9
5.5°	195.8	*195.7*	195.4	195.2	194.7	194.4	194.4	194.9	195.2	195.5	195.7
6°	195.6	*195.3*	195.1	194.8	194.3	194.2	194.2	194.6	194.9	195.2	195.5
6.5°	195.3	*195.1*	194.8	194.6	194.1	193.8	193.9	194.2	194.5	195.0	195.2
7°	195.1	*195.0*	194.6	194.3	193.8	193.3	193.6	193.9	194.1	194.6	194.8
7.5°	195.0	*194.6*	194.3	193.9	193.5	192.9	193.1	193.4	193.9	194.3	194.5
8°	194.7	*194.1*	193.7	193.4	193.0	192.6	192.7	193.1	193.5	194.0	194.3
8.5°	194.0	*193.8*	193.2	193.0	192.4	192.0	192.4	192.6	193.1	193.6	193.9
9°	193.6	*193.5*	192.9	192.7	192.0	191.7	191.9	192.1	192.7	193.2	193.5
9.5°	193.4	*193.0*	192.7	192.3	191.7	191.2	191.3	191.7	192.3	192.7	193.0
10°	193.1	*192.5*	192.3	191.8	191.2	190.6	190.8	191.3	191.7	192.2	192.6
10.5°	192.6	*192.2*	191.7	191.2	190.7	190.1	190.3	190.6	191.2	191.8	192.2
11°	192.1	*191.7*	191.0	190.7	190.2	189.6	189.8	190.2	190.8	191.3	191.7
11.5°	191.6	*191.2*	190.6	190.3	189.6	189.0	189.2	189.6	190.4	190.8	191.2
12°	191.1	*190.6*	190.1	189.7	189.0	188.4	188.7	189.1	189.8	190.2	190.8
12.5°	190.6	*190.0*	189.5	189.1	188.4	187.7	188.0	188.5	189.1	189.8	190.3
13°	190.0	*189.6*	189.0	188.4	187.8	187.2	187.3	187.9	188.5	189.2	189.7
13.5°	189.5	*189.1*	188.5	187.9	187.2	186.6	186.6	187.3	187.9	188.6	189.1
14°	189.0	*188.5*	187.8	187.3	186.7	186.0	186.2	186.5	187.3	187.9	188.6
14.5°	188.5	*187.8*	187.0	186.7	185.9	185.1	185.5	185.9	186.8	187.3	187.9
15°	187.8	*187.2*	186.5	186.0	185.2	184.4	184.8	185.3	186.2	186.7	187.2
15.5°	187.0	*186.6*	185.9	185.3	184.4	183.8	184.0	184.7	185.4	186.1	186.6
16°	186.3	*185.9*	185.2	184.5	183.8	183.1	183.3	183.9	184.6	185.3	186.0
16.5°	185.9	*185.1*	184.3	183.8	183.2	182.3	182.6	183.2	183.9	184.6	185.3
17°	185.3	*184.4*	183.6	183.1	182.3	181.5	181.9	182.3	183.2	183.9	184.4
17.5°	184.5	*183.7*	183.1	182.4	181.5	180.7	181.0	181.6	182.5	183.3	183.8
18°	183.6	*183.0*	182.3	181.6	180.8	179.9	180.2	180.9	181.6	182.5	183.1
18.5°	182.9	*182.2*	181.4	180.8	180.0	179.0	179.3	180.0	180.8	181.7	182.3
19°	182.2	*181.4*	180.5	179.9	179.0	178.2	178.6	179.2	180.1	180.7	181.6
19.5°	181.4	*180.6*	179.7	179.1	178.2	177.4	177.8	178.4	179.3	180.0	180.8
20°	180.6	*179.8*	179.0	178.3	177.4	176.5	176.8	177.6	178.4	179.2	180.0
20.5°	179.8	*179.0*	178.2	177.4	176.6	175.5	175.9	176.6	177.5	178.4	179.1
21°	179.0	*178.1*	177.2	176.6	175.6	174.7	175.1	175.8	176.6	177.6	178.1
21.5°	178.1	*177.3*	176.2	175.7	174.6	173.9	174.1	174.8	175.8	176.6	177.4
22°	177.2	*176.4*	175.4	174.7	173.7	172.8	173.1	173.9	174.9	175.7	176.6

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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°	176.3	*175.4*	174.6	173.7	172.9	171.8	172.2	173.0	174.0	174.8	175.6
23°	175.4	*174.5*	173.6	172.9	171.9	170.8	171.3	172.0	172.9	173.9	174.7
23.5°	174.5	*173.6*	172.7	171.9	170.9	169.9	170.3	171.0	171.9	172.9	173.7
24°	173.6	*172.7*	171.8	171.0	169.8	168.9	169.3	170.0	171.0	171.9	172.8
24.5°	172.6	*171.7*	170.7	170.0	168.9	167.9	168.3	169.0	170.2	171.0	171.9
25°	171.6	*170.7*	169.6	169.0	167.9	166.9	167.2	168.1	169.0	170.1	170.9
25.5°	170.5	*169.7*	168.7	167.9	166.9	165.9	166.2	167.0	167.9	169.0	169.9
26°	169.7	*168.7*	167.8	167.0	165.8	164.8	165.3	165.9	167.0	167.8	168.9
26.5°	168.7	*167.6*	166.7	165.8	164.7	163.6	164.2	164.9	165.9	167.0	167.8
27°	167.6	*166.6*	165.5	164.7	163.8	162.6	163.0	163.9	164.9	166.1	166.7
27.5°	166.6	*165.6*	164.4	163.8	162.7	161.5	161.9	162.8	163.7	164.9	165.6
28°	165.5	*164.6*	163.4	162.7	161.5	160.4	160.9	161.6	162.6	163.6	164.7
28.5°	164.4	*163.5*	162.4	161.4	160.3	159.3	159.9	160.5	161.6	162.6	163.7
29°	163.3	*162.3*	161.3	160.4	159.3	158.3	158.6	159.5	160.6	161.6	162.6
29.5°	162.2	*161.1*	160.2	159.4	158.2	157.1	157.4	158.4	159.4	160.5	161.4
30°	161.1	*160.0*	158.9	158.2	157.1	155.9	156.4	157.3	158.1	159.3	160.3
30.5°	160.0	*159.0*	157.8	157.0	156.0	154.7	155.3	156.0	157.1	158.2	159.2
31°	158.9	*157.8*	156.7	155.9	154.6	153.6	154.0	154.8	156.0	157.1	158.1
31.5°	157.7	*156.8*	155.5	154.8	153.4	152.5	152.8	153.7	154.7	155.9	156.8
32°	156.5	*155.6*	154.4	153.5	152.3	151.1	151.7	152.5	153.6	154.6	155.7
32.5°	155.3	*154.3*	153.2	152.2	151.2	149.9	150.4	151.3	152.4	153.6	154.6
33°	154.1	*153.0*	151.9	151.1	150.0	148.8	149.2	150.1	151.2	152.4	153.3
33.5°	153.1	*151.9*	150.7	149.9	148.7	147.5	148.0	148.8	150.0	151.1	152.1
34°	151.8	*150.7*	149.5	148.8	147.4	146.3	146.8	147.5	148.7	149.9	150.9
34.5°	150.6	*149.6*	148.4	147.5	146.2	145.0	145.5	146.3	147.5	148.6	149.7
35°	149.3	*148.3*	147.1	146.2	145.0	143.8	144.3	145.1	146.2	147.3	148.5
35.5°	148.1	*147.0*	145.8	144.9	143.7	142.5	143.1	143.8	145.1	146.2	147.2
36°	146.9	*145.7*	144.6	143.6	142.5	141.2	141.8	142.6	143.7	144.9	145.9
36.5°	145.7	*144.5*	143.3	142.4	141.2	139.9	140.5	141.3	142.4	143.6	144.6
37°	144.3	*143.2*	142.0	141.2	139.9	138.6	139.2	140.0	141.1	142.3	143.4
37.5°	142.9	*142.0*	140.7	139.9	138.6	137.4	137.9	138.7	139.9	141.0	142.1
38°	141.7	*140.7*	139.4	138.5	137.3	136.1	136.5	137.4	138.6	139.7	140.8
38.5°	140.5	*139.3*	138.1	137.2	135.9	134.6	135.1	136.1	137.3	138.4	139.5
39°	139.2	*138.0*	136.8	136.0	134.6	133.3	133.9	134.8	135.9	137.2	138.2
39.5°	137.9	*136.7*	135.5	134.6	133.4	132.0	132.6	133.4	134.5	135.8	136.8
40°	136.6	*135.3*	134.2	133.2	132.1	130.7	131.3	132.0	133.2	134.4	135.5
40.5°	135.2	*134.0*	132.8	131.8	130.7	129.4	129.8	130.7	131.9	133.1	134.1
41°	133.7	*132.7*	131.5	130.5	129.3	128.0	128.4	129.3	130.5	131.8	132.8
41.5°	132.3	*131.4*	130.2	129.2	127.9	126.6	127.1	128.0	129.2	130.3	131.5
42°	131.1	*129.9*	128.7	127.8	126.6	125.2	125.8	126.7	127.8	129.0	130.1
42.5°	129.8	*128.5*	127.4	126.5	125.3	123.9	124.4	125.2	126.5	127.7	128.6
43°	128.4	*127.2*	126.0	125.1	123.9	122.5	123.1	123.8	125.0	126.3	127.3
43.5°	126.9	*125.9*	124.6	123.8	122.5	121.1	121.6	122.4	123.6	124.8	125.9
44°	125.6	*124.4*	123.2	122.4	121.0	119.7	120.2	121.0	122.3	123.3	124.5
44.5°	124.2	*123.0*	121.7	120.9	119.6	118.4	118.7	119.6	120.8	122.0	123.1

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CATALOG NUMBER: HLB2LSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	122.8	121.6	120.4	119.5	118.3	116.9	117.4	118.3	119.4	120.7	121.7
45.5°	121.5	120.2	119.0	118.1	116.9	115.5	116.1	116.9	118.0	119.2	120.4
46°	120.0	118.8	117.6	116.7	115.5	114.1	114.7	115.4	116.6	117.7	118.9
46.5°	118.6	117.4	116.2	115.3	114.1	112.7	113.2	113.9	115.2	116.3	117.4
47°	117.2	116.0	114.7	113.9	112.6	111.3	111.8	112.5	113.8	114.9	116.1
47.5°	115.8	114.6	113.3	112.5	111.1	109.9	110.4	111.1	112.4	113.4	114.7
48°	114.3	113.1	111.9	111.1	109.6	108.5	109.0	109.7	111.0	112.0	113.2
48.5°	112.9	111.7	110.5	109.7	108.3	107.1	107.5	108.3	109.5	110.6	111.7
49°	111.6	110.2	109.1	108.3	107.0	105.6	106.1	106.8	108.1	109.2	110.3
49.5°	110.1	108.9	107.6	106.9	105.5	104.2	104.7	105.3	106.7	107.8	108.8
50°	108.7	107.5	106.2	105.5	104.0	102.7	103.3	103.9	105.3	106.3	107.4
50.5°	107.2	106.0	104.8	104.1	102.6	101.3	101.8	102.5	103.8	104.8	106.0
51°	105.7	104.5	103.4	102.6	101.2	99.9	100.3	101.2	102.3	103.4	104.5
51.5°	104.3	103.1	101.9	101.0	99.8	98.4	99.0	99.7	100.9	102.0	103.0
52°	102.9	101.7	100.5	99.6	98.4	97.0	97.5	98.3	99.5	100.6	101.6
52.5°	101.5	100.2	99.0	98.2	97.0	95.6	96.1	96.9	98.0	99.2	100.2
53°	100.0	98.8	97.6	96.8	95.5	94.1	94.6	95.4	96.5	97.7	98.8
53.5°	98.4	97.4	96.2	95.3	94.1	92.7	93.0	94.0	95.0	96.2	97.2
54°	96.9	95.9	94.7	93.8	92.6	91.2	91.6	92.6	93.6	94.7	95.8
54.5°	95.5	94.4	93.3	92.4	91.2	89.7	90.2	91.1	92.1	93.3	94.4
55°	94.1	93.0	91.9	91.0	89.7	88.2	88.7	89.6	90.7	91.8	92.9
55.5°	92.6	91.6	90.4	89.5	88.3	86.8	87.2	88.1	89.1	90.4	91.4
56°	91.1	90.0	89.0	88.0	86.9	85.3	85.9	86.7	87.7	89.0	89.8
56.5°	89.6	88.5	87.5	86.5	85.4	83.9	84.3	85.2	86.3	87.4	88.5
57°	88.1	87.1	86.0	85.1	84.0	82.4	82.8	83.8	84.8	85.9	87.0
57.5°	86.6	85.7	84.6	83.6	82.4	80.9	81.4	82.3	83.2	84.5	85.5
58°	85.1	84.2	83.1	82.1	81.0	79.4	79.9	80.8	81.8	83.0	84.0
58.5°	83.7	82.7	81.7	80.7	79.6	78.0	78.5	79.3	80.3	81.5	82.5
59°	82.2	81.2	80.2	79.2	78.1	76.5	77.0	77.9	78.9	80.1	81.0
59.5°	80.7	79.7	78.7	77.7	76.5	75.1	75.5	76.4	77.4	78.5	79.5
60°	79.2	78.3	77.2	76.2	75.1	73.6	74.0	74.9	75.9	77.0	78.0
60.5°	77.6	76.8	75.7	74.8	73.6	72.1	72.5	73.4	74.4	75.5	76.5
61°	76.1	75.2	74.2	73.3	72.2	70.7	71.0	72.0	72.9	74.0	75.0
61.5°	74.7	73.7	72.8	71.8	70.7	69.1	69.6	70.5	71.4	72.5	73.6
62°	73.2	72.2	71.2	70.4	69.2	67.6	68.2	68.9	70.0	71.1	72.0
62.5°	71.7	70.8	69.8	68.9	67.7	66.2	66.7	67.5	68.5	69.5	70.5
63°	70.2	69.2	68.2	67.5	66.2	64.7	65.2	66.0	67.0	68.0	68.9
63.5°	68.7	67.7	66.7	66.0	64.8	63.2	63.7	64.5	65.5	66.5	67.4
64°	67.1	66.2	65.3	64.5	63.3	61.7	62.2	63.0	64.0	65.0	65.9
64.5°	65.7	64.7	63.8	63.0	61.8	60.3	60.7	61.6	62.5	63.5	64.4
65°	64.2	63.2	62.3	61.5	60.3	58.7	59.2	60.1	61.0	62.0	62.9
65.5°	62.6	61.8	60.8	60.1	58.9	57.3	57.7	58.5	59.5	60.5	61.4
66°	61.2	60.2	59.3	58.6	57.4	55.8	56.2	57.0	58.1	59.0	59.9
66.5°	59.6	58.7	57.8	57.1	55.9	54.4	54.7	55.6	56.5	57.5	58.4
67°	58.2	57.2	56.3	55.7	54.4	52.9	53.3	54.1	55.1	56.0	56.9

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

Scaled Data Report

TEST NUMBER: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	56.6	55.7	54.9	54.2	53.0	51.4	51.8	52.6	53.6	54.5	55.4
68°	55.2	54.3	53.4	52.7	51.5	50.0	50.4	51.1	52.2	53.0	53.8
68.5°	53.7	52.8	51.9	51.3	50.0	48.5	48.9	49.7	50.7	51.5	52.4
69°	52.2	51.3	50.4	49.9	48.6	47.1	47.5	48.1	49.2	50.1	50.9
69.5°	50.8	49.8	49.0	48.4	47.1	45.6	46.0	46.7	47.8	48.5	49.4
70°	49.3	48.4	47.5	46.9	45.7	44.2	44.6	45.3	46.3	47.1	47.9
70.5°	47.8	46.9	46.0	45.5	44.3	42.8	43.2	43.8	44.9	45.7	46.4
71°	46.4	45.4	44.6	44.1	42.8	41.4	41.8	42.4	43.5	44.2	45.0
71.5°	44.9	44.0	43.2	42.7	41.4	40.0	40.3	41.0	42.0	42.8	43.5
72°	43.5	42.6	41.8	41.2	40.0	38.6	38.9	39.5	40.6	41.3	42.1
72.5°	42.1	41.1	40.4	39.9	38.6	37.2	37.5	38.1	39.2	39.9	40.6
73°	40.6	39.8	39.0	38.5	37.1	35.8	36.1	36.6	37.7	38.5	39.2
73.5°	39.2	38.4	37.6	37.1	35.8	34.4	34.7	35.3	36.4	37.0	37.8
74°	37.8	37.0	36.2	35.7	34.3	33.0	33.4	33.9	35.0	35.6	36.3
74.5°	36.4	35.6	34.8	34.3	33.0	31.7	32.0	32.5	33.6	34.3	34.9
75°	35.0	34.2	33.4	33.0	31.6	30.3	30.7	31.1	32.2	32.9	33.6
75.5°	33.6	32.9	32.1	31.6	30.3	29.0	29.3	29.8	30.8	31.5	32.2
76°	32.2	31.5	30.7	30.3	29.0	27.7	27.9	28.4	29.5	30.1	30.8
76.5°	30.8	30.1	29.4	28.9	27.6	26.3	26.6	27.1	28.1	28.8	29.4
77°	29.5	28.8	28.4	27.6	26.3	25.0	25.3	25.8	26.8	27.4	28.1
77.5°	28.2	27.5	27.0	26.3	25.0	23.7	24.0	24.5	25.4	26.1	26.8
78°	26.9	26.1	25.6	25.0	23.7	22.4	22.7	23.1	24.1	24.7	25.4
78.5°	25.5	24.8	24.2	23.7	22.4	21.2	21.4	21.9	22.8	23.5	24.0
79°	24.2	23.5	22.8	22.4	21.1	19.9	20.2	20.6	21.5	22.1	22.8
79.5°	22.8	22.2	21.5	21.1	19.9	18.6	18.9	19.3	20.2	20.8	21.5
80°	21.5	20.9	20.3	19.9	18.6	17.4	17.7	18.1	19.0	19.6	20.2
80.5°	20.2	19.6	19.0	18.6	17.4	16.2	16.4	16.8	17.7	18.3	18.9
81°	18.9	18.4	17.8	17.3	16.2	15.0	15.2	15.6	16.4	17.0	17.6
81.5°	17.6	17.1	16.6	16.1	15.0	13.8	14.0	14.4	15.2	15.8	16.3
82°	16.4	15.9	15.3	14.9	13.8	12.6	12.8	13.2	14.0	14.6	15.1
82.5°	15.1	14.7	14.1	13.7	12.6	11.5	11.7	12.0	12.8	13.4	13.9
83°	13.9	13.5	12.9	12.5	11.4	10.3	10.5	10.9	11.6	12.1	12.7
83.5°	12.7	12.2	11.8	11.4	10.3	9.2	9.4	9.7	10.4	11.0	11.5
84°	11.5	11.1	10.6	10.2	9.2	8.1	8.3	8.6	9.2	9.8	10.3
84.5°	10.3	9.9	9.5	9.0	8.1	7.0	7.2	7.5	8.1	8.7	9.1
85°	9.1	8.8	8.3	7.9	7.0	5.9	6.1	6.4	7.0	7.6	8.0
85.5°	8.0	7.6	7.2	6.8	6.0	4.8	5.0	5.4	5.9	6.4	6.9
86°	6.9	6.5	6.1	5.7	4.9	3.8	3.9	4.3	4.8	5.3	5.8
86.5°	5.7	5.5	5.1	4.7	3.8	2.8	2.9	3.2	3.7	4.2	4.7
87°	4.7	4.4	4.0	3.6	2.8	1.8	1.9	2.2	2.6	3.1	3.6
87.5°	3.6	3.3	3.0	2.6	1.9	0.9	1.0	1.3	1.6	2.1	2.5
88°	2.6	2.6	2.2	2.0	1.0	0.3	0.3	0.5	0.7	1.1	1.5
88.5°	1.9	2.0	1.5	1.3	0.3	0.0	0.0	0.1	0.1	0.3	0.6
89°	1.3	1.3	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
111°	0.0	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	0.0	0.1	0.1	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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	0.0	0.1	0.1	0.0	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	0.0
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	0.0	0.0	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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	0.1	0.1	0.1	0.1	0.1
144°	0.1	0.1	0.1	0.1	0.1	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	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	0.1	0.1	0.1	0.1
147.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
148°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
148.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
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	0.1	0.1	0.2
151.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	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	0.1	0.2
153°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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	0.2	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	0.1	0.1
178°	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1
178.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
179°	0.1	0.1	0.1	0.1	0.1	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	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	196.9	196.9	196.9	196.9	196.9	196.9
0.5°	196.9	196.9	196.9	196.7	197.0	197.0
1°	*197.0*	*196.8*	*196.8*	*196.8*	*197.0*	*197.1*
1.5°	197.0	196.7	196.8	197.0	196.8	197.0
2°	197.0	196.7	196.8	197.0	196.8	196.8
2.5°	196.8	196.8	196.8	196.8	197.0	196.8
3°	196.6	196.6	196.7	196.7	196.9	196.7
3.5°	196.5	196.6	196.7	196.6	196.5	196.7
4°	196.5	196.5	196.6	196.6	196.4	196.6
4.5°	196.4	196.3	196.6	196.5	196.4	196.3
5°	196.1	196.1	196.4	196.3	196.3	196.0
5.5°	195.7	196.0	196.0	196.0	196.0	195.8
6°	195.6	195.8	195.8	195.9	195.9	195.6
6.5°	195.4	195.3	195.7	195.6	195.6	195.3
7°	195.0	195.0	195.5	195.4	195.3	195.1
7.5°	194.7	195.0	195.3	195.1	195.1	195.0
8°	194.4	194.7	194.9	194.8	194.8	194.7
8.5°	194.1	194.3	194.5	194.5	194.4	194.0
9°	193.7	193.9	194.3	194.2	194.0	193.6
9.5°	193.3	193.5	193.9	193.9	193.7	193.4
10°	192.9	193.1	193.5	193.5	193.4	193.1
10.5°	192.5	192.7	193.2	193.1	193.0	192.6
11°	192.0	192.3	192.8	192.7	192.4	192.1
11.5°	191.6	191.8	192.4	192.3	191.9	191.6
12°	191.1	191.5	191.9	191.9	191.5	191.1
12.5°	190.4	190.9	191.4	191.3	191.1	190.6
13°	189.9	190.3	190.9	190.7	190.6	190.0
13.5°	189.5	189.8	190.4	190.2	190.0	189.5
14°	189.0	189.3	189.9	189.8	189.4	189.0
14.5°	188.4	188.6	189.3	189.3	188.8	188.5
15°	187.8	188.1	188.7	188.6	188.3	187.8
15.5°	187.0	187.6	188.2	187.9	187.6	187.0
16°	186.3	186.9	187.6	187.4	187.0	186.3
16.5°	185.8	186.0	186.9	186.7	186.4	185.9
17°	185.1	185.4	186.2	186.1	185.7	185.3
17.5°	184.4	184.9	185.6	185.4	185.0	184.5
18°	183.6	184.3	184.9	184.7	184.3	183.6
18.5°	182.8	183.4	184.2	184.0	183.5	182.9
19°	182.1	182.6	183.4	183.3	182.7	182.2
19.5°	181.3	181.8	182.7	182.4	182.0	181.4
20°	180.5	181.1	182.0	181.7	181.3	180.6
20.5°	179.7	180.2	181.3	181.0	180.4	179.8
21°	178.9	179.4	180.4	180.1	179.5	179.0
21.5°	178.0	178.6	179.5	179.3	178.8	178.1
22°	177.1	177.8	178.5	178.5	178.0	177.2

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	176.1	176.8	177.8	177.6	177.0	176.3
23°	175.4	176.0	177.0	176.7	176.2	175.4
23.5°	174.5	175.1	176.1	175.8	175.3	174.5
24°	173.5	174.0	175.1	174.9	174.3	173.6
24.5°	172.5	173.2	174.2	174.0	173.3	172.6
25°	171.5	172.3	173.3	173.0	172.4	171.6
25.5°	170.5	171.2	172.4	172.1	171.6	170.5
26°	169.4	170.2	171.5	171.1	170.6	169.7
26.5°	168.5	169.3	170.5	170.2	169.4	168.7
27°	167.6	168.3	169.3	169.0	168.3	167.6
27.5°	166.6	167.2	168.3	168.0	167.4	166.6
28°	165.5	166.1	167.4	167.0	166.4	165.5
28.5°	164.3	165.2	166.3	166.1	165.3	164.4
29°	163.2	164.1	165.2	164.9	164.3	163.3
29.5°	162.1	163.0	164.1	163.7	163.3	162.2
30°	161.1	161.8	163.1	162.6	162.1	161.1
30.5°	159.8	160.7	161.9	161.5	160.9	160.0
31°	158.7	159.6	160.8	160.5	159.8	158.9
31.5°	157.5	158.6	159.7	159.5	158.7	157.7
32°	156.5	157.4	158.5	158.2	157.6	156.5
32.5°	155.3	156.2	157.4	157.0	156.4	155.3
33°	154.1	155.0	156.3	155.8	155.1	154.1
33.5°	152.8	153.8	155.1	154.8	153.9	153.1
34°	151.7	152.6	153.8	153.6	152.8	151.8
34.5°	150.5	151.4	152.6	152.4	151.7	150.6
35°	149.2	150.2	151.5	151.1	150.4	149.3
35.5°	148.0	148.9	150.3	149.7	149.0	148.1
36°	146.7	147.6	149.0	148.6	147.8	146.9
36.5°	145.5	146.5	147.8	147.4	146.7	145.7
37°	144.2	145.3	146.5	146.2	145.4	144.3
37.5°	143.0	143.8	145.2	144.9	144.1	142.9
38°	141.6	142.5	143.9	143.5	142.9	141.7
38.5°	140.1	141.3	142.7	142.2	141.6	140.5
39°	138.9	140.0	141.4	140.9	140.2	139.2
39.5°	137.8	138.7	140.0	139.6	138.9	137.9
40°	136.4	137.3	138.8	138.4	137.6	136.6
40.5°	134.9	136.1	137.4	137.0	136.2	135.2
41°	133.5	134.7	136.1	135.6	134.9	133.7
41.5°	132.2	133.4	134.7	134.2	133.6	132.3
42°	130.9	132.0	133.3	133.0	132.2	131.1
42.5°	129.5	130.5	132.1	131.6	130.9	129.8
43°	128.2	129.2	130.6	130.2	129.4	128.4
43.5°	126.8	127.9	129.3	128.9	128.0	126.9
44°	125.3	126.5	127.9	127.5	126.6	125.6
44.5°	123.8	125.0	126.5	126.0	125.3	124.2

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

Scaled Data Report

TEST NUMBER: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	122.5	123.6	125.1	124.6	124.0	122.8
45.5°	121.1	122.2	123.6	123.3	122.5	121.5
46°	119.7	120.8	122.3	121.9	121.1	120.0
46.5°	118.3	119.4	120.9	120.4	119.6	118.6
47°	116.9	117.9	119.4	119.0	118.2	117.2
47.5°	115.5	116.5	118.0	117.6	116.7	115.8
48°	114.0	115.0	116.6	116.2	115.3	114.3
48.5°	112.6	113.6	115.2	114.8	113.9	112.9
49°	111.1	112.1	113.8	113.4	112.5	111.6
49.5°	109.7	110.7	112.4	111.9	111.0	110.1
50°	108.3	109.2	110.9	110.5	109.6	108.7
50.5°	106.9	107.9	109.4	109.0	108.2	107.2
51°	105.4	106.4	108.0	107.6	106.7	105.7
51.5°	103.9	104.9	106.5	106.1	105.3	104.3
52°	102.4	103.4	105.1	104.6	103.9	102.9
52.5°	101.0	102.1	103.6	103.2	102.5	101.5
53°	99.6	100.7	102.2	101.7	101.0	100.0
53.5°	98.0	99.2	100.7	100.2	99.5	98.4
54°	96.5	97.6	99.2	98.8	98.1	96.9
54.5°	95.0	96.3	97.7	97.4	96.6	95.5
55°	93.6	94.8	96.2	95.8	95.2	94.1
55.5°	92.1	93.3	94.8	94.3	93.7	92.6
56°	90.6	91.8	93.3	92.9	92.2	91.1
56.5°	89.1	90.3	91.8	91.4	90.7	89.6
57°	87.6	88.9	90.3	89.9	89.3	88.1
57.5°	86.1	87.4	88.8	88.4	87.9	86.6
58°	84.6	85.9	87.3	86.9	86.4	85.1
58.5°	83.1	84.3	85.8	85.4	84.8	83.7
59°	81.6	82.8	84.3	83.9	83.2	82.2
59.5°	80.1	81.4	82.8	82.4	81.8	80.7
60°	78.6	79.8	81.3	80.9	80.3	79.2
60.5°	77.1	78.3	79.8	79.4	78.8	77.6
61°	75.6	76.8	78.3	77.9	77.3	76.1
61.5°	74.1	75.3	76.8	76.4	75.8	74.7
62°	72.6	73.8	75.3	74.8	74.2	73.2
62.5°	71.1	72.3	73.7	73.4	72.8	71.7
63°	69.6	70.7	72.2	71.8	71.2	70.2
63.5°	68.1	69.2	70.7	70.4	69.7	68.7
64°	66.6	67.6	69.1	68.7	68.2	67.1
64.5°	65.1	66.1	67.6	67.2	66.7	65.7
65°	63.6	64.6	66.1	65.7	65.1	64.2
65.5°	62.1	63.1	64.6	64.2	63.6	62.6
66°	60.5	61.5	63.0	62.7	62.1	61.2
66.5°	59.1	60.0	61.5	61.1	60.6	59.6
67°	57.6	58.6	60.0	59.6	59.1	58.2

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

Scaled Data Report

TEST NUMBER: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	56.0	57.1	58.5	58.1	57.6	56.6
68°	54.5	55.5	57.0	56.6	56.0	55.2
68.5°	53.1	54.0	55.4	55.1	54.6	53.7
69°	51.6	52.5	53.9	53.6	53.0	52.2
69.5°	50.1	51.0	52.4	52.1	51.5	50.8
70°	48.6	49.5	50.9	50.6	50.0	49.3
70.5°	47.1	48.0	49.5	49.1	48.6	47.8
71°	45.7	46.5	48.0	47.6	47.1	46.4
71.5°	44.2	45.0	46.5	46.2	45.6	44.9
72°	42.8	43.6	45.1	44.7	44.1	43.5
72.5°	41.3	42.1	43.6	43.3	42.7	42.1
73°	39.9	40.7	42.1	41.8	41.2	40.6
73.5°	38.4	39.2	40.7	40.4	39.8	39.2
74°	37.0	37.8	39.3	39.0	38.3	37.8
74.5°	35.6	36.3	37.9	37.5	36.9	36.4
75°	34.2	35.0	36.4	36.1	35.4	35.0
75.5°	32.8	33.5	35.0	34.7	34.1	33.6
76°	31.4	32.1	33.6	33.3	32.6	32.2
76.5°	30.0	30.7	32.2	31.9	31.2	30.8
77°	28.6	29.4	30.8	30.4	29.8	29.5
77.5°	27.2	28.4	29.4	29.1	28.5	28.2
78°	25.9	27.0	28.0	27.8	27.2	26.9
78.5°	24.5	25.5	26.7	26.4	25.8	25.5
79°	23.2	24.1	25.3	25.0	24.5	24.2
79.5°	21.9	22.7	23.9	23.7	23.2	22.8
80°	20.6	21.3	22.6	22.3	21.8	21.5
80.5°	19.3	20.0	21.3	21.0	20.5	20.2
81°	18.0	18.7	20.0	19.8	19.3	18.9
81.5°	16.7	17.4	18.7	18.5	18.0	17.6
82°	15.5	16.2	17.4	17.2	16.7	16.4
82.5°	14.3	15.0	16.2	15.9	15.5	15.1
83°	13.0	13.7	14.9	14.7	14.2	13.9
83.5°	11.8	12.5	13.7	13.5	13.0	12.7
84°	10.6	11.3	12.5	12.2	11.8	11.5
84.5°	9.4	10.1	11.3	11.1	10.6	10.3
85°	8.3	9.0	10.1	9.9	9.5	9.1
85.5°	7.2	7.8	8.9	8.7	8.3	8.0
86°	6.1	6.7	7.8	7.6	7.2	6.9
86.5°	4.9	5.6	6.7	6.5	6.1	5.7
87°	3.8	4.5	5.6	5.4	5.0	4.7
87.5°	2.8	3.5	4.5	4.3	4.0	3.6
88°	1.7	2.5	3.4	3.2	2.9	2.6
88.5°	0.8	1.4	2.8	2.4	2.2	1.9
89°	0.2	1.1	2.1	1.6	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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	0.0	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	0.0	0.0	0.0	0.0
111.5°	0.0	0.1	0.1	0.0	0.0	0.1
112°	0.0	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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°	0.1	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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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	0.1	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°	0.2	0.2	0.1	0.1	0.1	0.1
162.5°	0.2	0.2	0.1	0.1	0.1	0.1
163°	0.2	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	0.1	0.1	0.1	0.1
167°	0.3	0.2	0.1	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	0.1	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°	0.1	0.1	0.1	0.1	0.1	0.1
178°	0.1	0.1	0.1	0.1	0.1	0.1
178.5°	0.1	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
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Scaled Data Report

TEST NUMBER: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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: P1596592
CATALOG NUMBER: HLB2LSFS5-LO-5000K

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	28.56	30.18	28.92	30.49	30.81	28.18	29.81	28.55	30.12	30.44
	3H	30.35	31.82	30.73	32.14	32.51	29.92	31.39	30.30	31.72	32.08
	4H	31.03	32.41	31.43	32.76	33.14	30.56	31.94	30.96	32.29	32.67
	6H	31.55	32.83	31.97	33.20	33.59	31.02	32.30	31.44	32.67	33.06
	8H	31.72	32.94	32.15	33.34	33.74	31.16	32.38	31.59	32.77	33.17
	12H	31.80	32.97	32.23	33.35	33.78	31.21	32.38	31.64	32.76	33.19
4H	2H	29.18	30.56	29.58	30.91	31.29	28.81	30.19	29.21	30.54	30.92
	3H	31.20	32.35	31.61	32.75	33.16	30.77	31.92	31.18	32.32	32.73
	4H	32.01	33.06	32.45	33.47	33.91	31.53	32.58	31.96	32.99	33.43
	6H	32.66	33.58	33.12	34.02	34.48	32.11	33.03	32.57	33.47	33.93
	8H	32.88	33.74	33.35	34.18	34.65	32.29	33.15	32.75	33.59	34.06
	12H	33.02	33.78	33.50	34.26	34.73	32.39	33.15	32.87	33.63	34.10
8H	4H	32.33	33.19	32.79	33.63	34.10	31.84	32.70	32.30	33.14	33.61
	6H	33.11	33.82	33.60	34.31	34.79	32.54	33.25	33.03	33.74	34.21
	8H	33.40	34.04	33.91	34.55	35.04	32.78	33.42	33.29	33.92	34.41
	12H	33.61	34.18	34.12	34.67	35.23	32.93	33.50	33.44	33.99	34.55
12H	4H	32.37	33.14	32.85	33.61	34.08	31.87	32.64	32.35	33.12	33.59
	6H	33.17	33.81	33.68	34.32	34.80	32.59	33.23	33.10	33.74	34.22
	8H	33.52	34.09	34.03	34.58	35.14	32.88	33.45	33.39	33.94	34.50

END OF REPORT