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: P1596594

Luminaire Tested: HLB2LSFS5-MED-3000K

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:	P1596594
	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-MED-3000K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	3000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

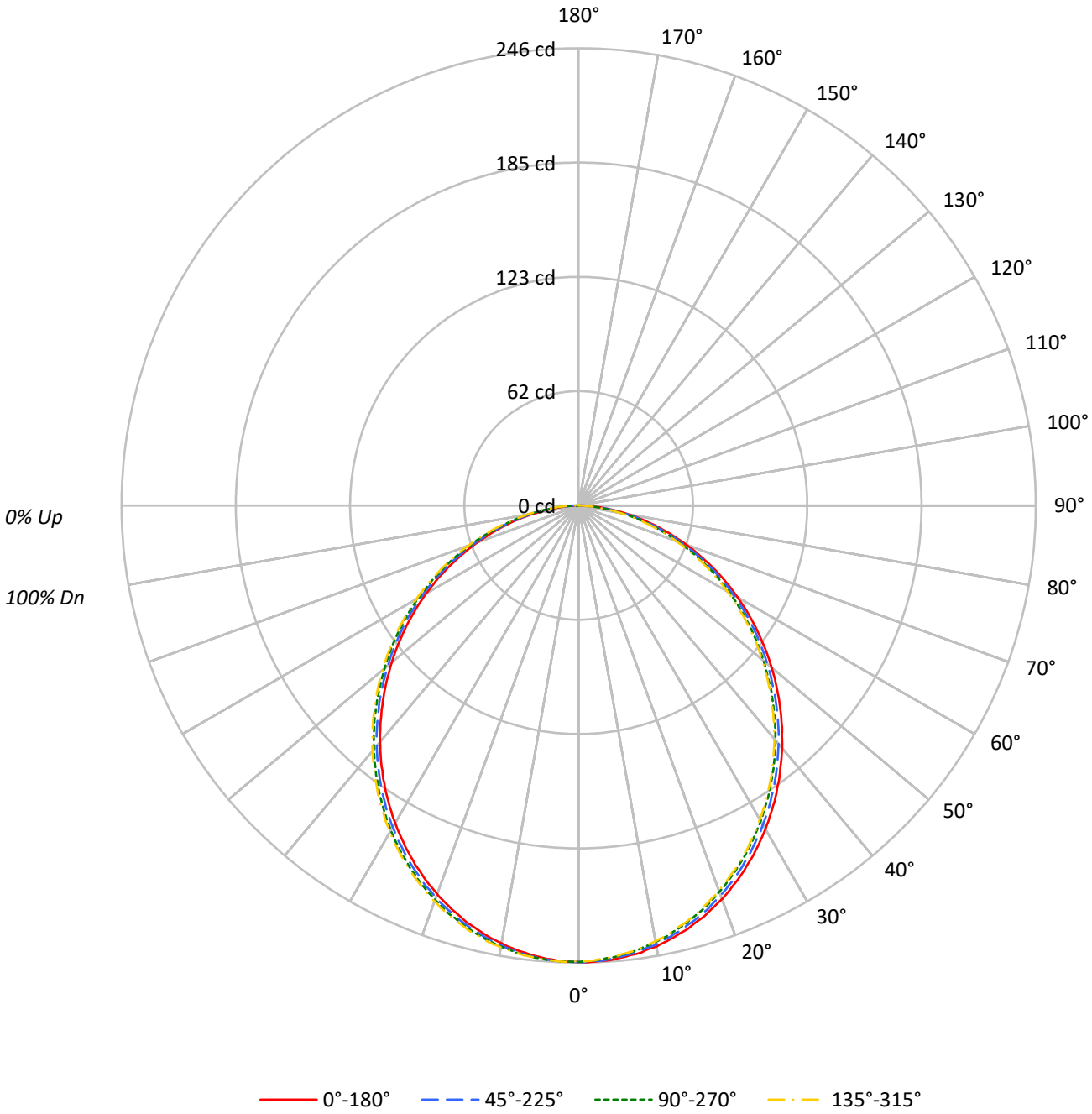
Lumens per Lamp:	N/A
Luminaire Lumens:	655.0 lumens
Efficiency:	N/A
Efficacy:	96.3 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	6.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	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°	169260	169260	169260	169260
5°	169146	168316	168593	169146
10°	168584	166835	167325	168584
15°	167101	164747	165674	167386
20°	165241	162235	163189	165608
25°	162663	159242	160230	163423
30°	159888	155911	156945	160604
35°	156590	152133	153395	157600
40°	153238	148202	149461	154137
45°	149351	143700	145162	150228
50°	145326	139110	140717	146076
55°	140882	134397	135838	142084
60°	136125	129098	130476	137227
65°	130567	122743	124210	131382
70°	123872	114808	116420	124476
75°	116049	105136	106999	116049
80°	106320	92038	93625	105527
85°	90107	69556	68766	88526

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 151981 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	3.5
10°-20°	65.7	10.0
20°-30°	97.8	14.9
30°-40°	115.2	17.6
40°-50°	116.5	17.8
50°-60°	102.9	15.7
60°-70°	77.2	11.8
70°-80°	44.2	6.7
80°-90°	11.6	1.8
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	0.1	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	186.7	28.5
0°-40°	301.9	46.1
0°-60°	521.3	79.6
0°-90°	654.4	99.9
90°-120°	0.2	0.0
90°-150°	0.5	0.1
90°-180°	1.0	0.2
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	246	246	246	246	246	
5°	245	243	244	245	245	23
15°	234	231	232	235	234	66
25°	214	210	211	215	214	99
35°	186	181	182	187	186	116
45°	153	148	149	154	153	118
55°	117	112	113	118	117	105
65°	80	75	76	81	80	79
75°	44	40	40	44	44	46
85°	11	9	9	11	11	12
90°	0	0	0	1	0	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7
0.5°	245.8	245.8	245.9	245.7	245.4	245.2	245.5	245.4	245.6	245.8	245.7
1°	245.9	246.0	245.7	245.6	245.3	245.1	245.3	245.4	245.5	245.9	245.7
1.5°	245.8	245.8	245.4	245.4	245.2	244.9	245.1	245.3	245.6	245.7	245.7
2°	245.6	245.5	245.3	245.4	245.0	244.7	244.9	245.1	245.5	245.4	245.7
2.5°	245.5	245.6	245.3	245.4	244.7	244.6	244.6	244.8	245.3	245.3	245.5
3°	245.4	245.4	245.2	245.0	244.5	244.3	244.3	244.7	244.9	245.1	245.4
3.5°	245.4	245.1	245.0	244.5	244.1	244.1	244.0	244.5	244.6	245.2	245.2
4°	245.3	244.8	244.7	244.4	244.0	243.9	243.9	244.1	244.6	245.0	244.9
4.5°	245.0	244.7	244.4	244.3	243.8	243.4	243.7	243.6	244.3	244.6	244.7
5°	244.6	244.6	244.1	244.1	243.4	242.9	243.1	243.3	243.8	244.2	244.5
5.5°	244.3	244.2	243.7	243.5	242.9	242.6	242.6	243.1	243.6	243.9	244.2
6°	244.1	243.6	243.4	243.1	242.5	242.2	242.3	242.8	243.2	243.6	243.9
6.5°	243.6	243.4	243.0	242.8	242.1	241.8	241.9	242.3	242.7	243.3	243.5
7°	243.4	243.2	242.8	242.4	241.8	241.2	241.6	241.9	242.2	242.7	243.1
7.5°	243.3	242.8	242.4	242.0	241.4	240.7	240.9	241.3	241.9	242.4	242.7
8°	242.9	242.2	241.7	241.3	240.7	240.3	240.4	240.9	241.5	242.0	242.4
8.5°	242.1	241.8	241.1	240.8	240.0	239.6	240.0	240.3	240.9	241.5	242.0
9°	241.5	241.4	240.7	240.4	239.6	239.2	239.4	239.6	240.5	241.0	241.4
9.5°	241.3	240.7	240.4	239.9	239.1	238.5	238.7	239.2	239.9	240.4	240.8
10°	241.0	240.2	239.9	239.3	238.5	237.8	238.1	238.7	239.2	239.8	240.3
10.5°	240.3	239.8	239.1	238.5	237.9	237.1	237.4	237.9	238.6	239.3	239.8
11°	239.7	239.2	238.4	237.9	237.3	236.5	236.8	237.3	238.0	238.7	239.2
11.5°	239.1	238.6	237.7	237.4	236.6	235.8	236.1	236.6	237.5	238.1	238.5
12°	238.4	237.8	237.2	236.7	235.8	235.0	235.4	235.9	236.8	237.3	238.0
12.5°	237.9	237.1	236.4	235.9	235.0	234.2	234.6	235.2	236.0	236.7	237.4
13°	237.1	236.6	235.8	235.1	234.3	233.5	233.7	234.5	235.2	236.1	236.6
13.5°	236.4	235.9	235.2	234.4	233.6	232.8	232.8	233.7	234.5	235.3	235.9
14°	235.9	235.2	234.3	233.7	232.9	232.0	232.3	232.7	233.7	234.4	235.2
14.5°	235.2	234.3	233.3	232.9	232.0	230.9	231.5	231.9	233.0	233.7	234.4
15°	234.3	233.5	232.6	232.1	231.0	230.0	230.5	231.2	232.3	232.9	233.6
15.5°	233.3	232.8	231.9	231.1	230.1	229.3	229.5	230.4	231.3	232.1	232.8
16°	232.5	232.0	231.0	230.2	229.3	228.4	228.7	229.5	230.3	231.2	232.1
16.5°	231.9	231.0	229.9	229.3	228.5	227.4	227.8	228.5	229.4	230.3	231.1
17°	231.1	230.1	229.1	228.5	227.5	226.4	226.9	227.5	228.5	229.4	230.1
17.5°	230.1	229.2	228.4	227.6	226.5	225.4	225.8	226.6	227.7	228.6	229.3
18°	229.1	228.3	227.5	226.6	225.6	224.5	224.8	225.7	226.5	227.7	228.5
18.5°	228.2	227.3	226.3	225.6	224.6	223.3	223.7	224.6	225.6	226.7	227.5
19°	227.3	226.4	225.2	224.5	223.4	222.3	222.8	223.6	224.6	225.5	226.6
19.5°	226.3	225.3	224.2	223.5	222.3	221.3	221.8	222.6	223.8	224.6	225.6
20°	225.4	224.4	223.3	222.4	221.3	220.2	220.6	221.6	222.6	223.6	224.5
20.5°	224.4	223.4	222.3	221.3	220.3	219.0	219.4	220.4	221.4	222.5	223.4
21°	223.3	222.2	221.1	220.4	219.1	217.9	218.5	219.3	220.3	221.5	222.2
21.5°	222.2	221.2	219.9	219.2	217.8	216.9	217.3	218.0	219.3	220.3	221.3
22°	221.0	220.1	218.9	217.9	216.8	215.6	216.0	216.9	218.2	219.2	220.4

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TEST NUMBER: P1596594
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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°	219.9	218.8	217.8	216.7	215.7	214.3	214.8	215.9	217.0	218.1	219.1
23°	218.9	217.7	216.6	215.7	214.5	213.1	213.7	214.6	215.7	216.9	217.9
23.5°	217.7	216.6	215.4	214.4	213.2	212.0	212.5	213.4	214.5	215.8	216.7
24°	216.5	215.5	214.3	213.3	211.9	210.8	211.3	212.1	213.3	214.5	215.6
24.5°	215.4	214.2	213.0	212.1	210.7	209.5	210.0	210.9	212.3	213.4	214.4
25°	214.0	213.0	211.6	210.8	209.5	208.3	208.6	209.7	210.8	212.2	213.2
25.5°	212.8	211.7	210.5	209.5	208.2	207.0	207.3	208.4	209.5	210.9	211.9
26°	211.7	210.5	209.3	208.3	206.9	205.6	206.2	207.0	208.3	209.4	210.7
26.5°	210.5	209.2	207.9	206.8	205.5	204.2	204.8	205.8	207.0	208.3	209.4
27°	209.1	207.8	206.4	205.5	204.4	202.9	203.3	204.5	205.7	207.2	208.0
27.5°	207.8	206.6	205.1	204.3	203.0	201.6	202.0	203.1	204.3	205.7	206.6
28°	206.5	205.3	203.8	203.0	201.4	200.1	200.8	201.6	202.9	204.1	205.5
28.5°	205.1	203.9	202.6	201.4	200.0	198.8	199.5	200.2	201.6	202.9	204.3
29°	203.7	202.5	201.3	200.1	198.7	197.4	197.9	199.0	200.3	201.6	202.9
29.5°	202.4	201.0	199.8	198.8	197.4	196.0	196.4	197.7	198.9	200.3	201.3
30°	201.0	199.6	198.3	197.4	196.0	194.5	195.1	196.3	197.3	198.8	200.0
30.5°	199.6	198.3	196.9	195.9	194.6	193.0	193.7	194.7	196.0	197.4	198.7
31°	198.2	196.9	195.5	194.5	192.9	191.6	192.2	193.1	194.7	196.0	197.2
31.5°	196.7	195.6	194.0	193.1	191.4	190.2	190.7	191.7	193.0	194.5	195.6
32°	195.3	194.1	192.6	191.5	190.0	188.6	189.3	190.3	191.6	192.9	194.2
32.5°	193.8	192.5	191.2	189.9	188.6	187.0	187.7	188.7	190.1	191.6	192.9
33°	192.3	190.9	189.6	188.5	187.2	185.6	186.1	187.2	188.6	190.1	191.3
33.5°	191.0	189.5	188.0	187.0	185.5	184.1	184.6	185.7	187.1	188.5	189.7
34°	189.4	188.0	186.5	185.6	183.9	182.5	183.1	184.1	185.6	187.0	188.2
34.5°	187.9	186.6	185.1	184.0	182.4	180.9	181.6	182.5	184.0	185.4	186.8
35°	186.2	185.0	183.5	182.4	180.9	179.4	180.0	181.0	182.4	183.8	185.3
35.5°	184.7	183.4	181.9	180.8	179.3	177.8	178.5	179.5	181.0	182.4	183.6
36°	183.3	181.8	180.4	179.1	177.8	176.2	176.9	177.9	179.3	180.8	182.0
36.5°	181.7	180.3	178.8	177.6	176.2	174.5	175.3	176.2	177.6	179.2	180.4
37°	180.0	178.7	177.1	176.2	174.6	172.9	173.6	174.6	176.1	177.6	178.9
37.5°	178.3	177.1	175.5	174.6	172.9	171.5	172.0	173.1	174.5	175.9	177.3
38°	176.8	175.5	173.9	172.8	171.2	169.8	170.3	171.4	173.0	174.3	175.7
38.5°	175.2	173.8	172.3	171.1	169.6	168.0	168.6	169.8	171.3	172.7	174.0
39°	173.6	172.2	170.6	169.6	168.0	166.3	167.0	168.2	169.6	171.1	172.4
39.5°	172.0	170.5	169.0	168.0	166.4	164.7	165.5	166.5	167.8	169.4	170.7
40°	170.4	168.8	167.4	166.2	164.8	163.1	163.8	164.7	166.2	167.7	169.0
40.5°	168.7	167.2	165.7	164.4	163.0	161.5	162.0	163.0	164.6	166.0	167.3
41°	166.8	165.5	164.1	162.9	161.3	159.7	160.2	161.3	162.8	164.4	165.7
41.5°	165.1	163.9	162.4	161.2	159.6	158.0	158.6	159.7	161.1	162.5	164.1
42°	163.6	162.0	160.6	159.5	158.0	156.2	156.9	158.1	159.5	160.9	162.3
42.5°	162.0	160.3	158.9	157.8	156.3	154.6	155.3	156.2	157.8	159.3	160.5
43°	160.2	158.7	157.2	156.1	154.5	152.9	153.6	154.5	155.9	157.5	158.8
43.5°	158.4	157.0	155.5	154.4	152.8	151.1	151.8	152.7	154.2	155.7	157.0
44°	156.7	155.2	153.7	152.7	151.0	149.4	150.0	151.0	152.6	153.9	155.4
44.5°	155.0	153.4	151.9	150.9	149.2	147.7	148.1	149.2	150.7	152.2	153.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	153.3	151.7	150.2	149.1	147.5	145.9	146.4	147.5	149.0	150.6	151.9
45.5°	151.5	150.0	148.5	147.3	145.8	144.1	144.8	145.8	147.2	148.8	150.2
46°	149.8	148.2	146.8	145.6	144.1	142.4	143.1	144.0	145.5	146.9	148.3
46.5°	148.0	146.4	145.0	143.9	142.3	140.6	141.2	142.1	143.7	145.1	146.5
47°	146.2	144.7	143.1	142.1	140.5	138.9	139.5	140.4	142.0	143.3	144.8
47.5°	144.4	143.0	141.3	140.3	138.6	137.1	137.7	138.6	140.3	141.5	143.0
48°	142.6	141.1	139.6	138.6	136.8	135.3	135.9	136.9	138.4	139.7	141.2
48.5°	140.9	139.3	137.9	136.9	135.1	133.6	134.2	135.1	136.6	138.0	139.3
49°	139.2	137.5	136.1	135.1	133.4	131.8	132.4	133.3	134.8	136.3	137.6
49.5°	137.4	135.8	134.3	133.3	131.6	130.0	130.6	131.4	133.1	134.5	135.8
50°	135.6	134.1	132.5	131.6	129.8	128.2	128.8	129.6	131.3	132.7	134.0
50.5°	133.7	132.3	130.7	129.8	128.0	126.4	127.0	127.9	129.5	130.7	132.2
51°	131.9	130.4	129.0	128.0	126.3	124.6	125.2	126.2	127.6	129.0	130.4
51.5°	130.2	128.7	127.2	126.0	124.5	122.8	123.5	124.4	125.8	127.3	128.6
52°	128.3	126.9	125.4	124.3	122.7	121.0	121.7	122.6	124.1	125.5	126.7
52.5°	126.6	125.1	123.6	122.6	121.0	119.2	119.9	120.8	122.3	123.7	125.0
53°	124.7	123.3	121.8	120.8	119.2	117.4	118.0	119.0	120.3	121.9	123.2
53.5°	122.8	121.5	120.0	118.9	117.4	115.6	116.1	117.3	118.6	120.0	121.3
54°	120.9	119.6	118.2	117.1	115.6	113.7	114.3	115.5	116.8	118.2	119.5
54.5°	119.1	117.8	116.4	115.3	113.7	111.9	112.5	113.7	115.0	116.4	117.8
55°	117.3	116.0	114.6	113.5	111.9	110.1	110.7	111.8	113.1	114.6	115.9
55.5°	115.5	114.2	112.8	111.6	110.1	108.3	108.8	109.9	111.2	112.8	114.0
56°	113.6	112.3	111.0	109.8	108.4	106.4	107.1	108.1	109.4	111.0	112.1
56.5°	111.7	110.5	109.1	108.0	106.6	104.6	105.2	106.4	107.6	109.1	110.4
57°	109.9	108.7	107.3	106.2	104.7	102.8	103.3	104.5	105.8	107.2	108.6
57.5°	108.1	106.9	105.5	104.3	102.8	101.0	101.5	102.6	103.9	105.4	106.7
58°	106.2	105.0	103.7	102.5	101.0	99.1	99.7	100.8	102.1	103.6	104.8
58.5°	104.4	103.2	101.9	100.7	99.3	97.4	97.9	99.0	100.2	101.7	103.0
59°	102.5	101.3	100.1	98.8	97.4	95.5	96.1	97.1	98.4	99.9	101.1
59.5°	100.6	99.4	98.2	96.9	95.5	93.6	94.2	95.3	96.5	98.0	99.2
60°	98.8	97.6	96.3	95.1	93.7	91.8	92.4	93.4	94.7	96.1	97.3
60.5°	96.8	95.8	94.4	93.4	91.9	90.0	90.5	91.6	92.8	94.2	95.5
61°	95.0	93.9	92.6	91.5	90.1	88.1	88.6	89.8	90.9	92.4	93.6
61.5°	93.2	92.0	90.8	89.6	88.2	86.3	86.8	88.0	89.1	90.5	91.8
62°	91.3	90.1	88.9	87.8	86.4	84.4	85.0	86.0	87.3	88.7	89.8
62.5°	89.4	88.3	87.0	85.9	84.5	82.6	83.2	84.2	85.4	86.7	87.9
63°	87.5	86.4	85.1	84.2	82.6	80.7	81.3	82.3	83.6	84.8	86.0
63.5°	85.7	84.5	83.2	82.4	80.8	78.9	79.4	80.5	81.7	82.9	84.1
64°	83.8	82.6	81.4	80.5	79.0	77.0	77.6	78.7	79.9	81.1	82.2
64.5°	81.9	80.8	79.5	78.6	77.1	75.2	75.7	76.8	78.0	79.2	80.4
65°	80.1	78.9	77.7	76.8	75.3	73.3	73.9	75.0	76.2	77.4	78.5
65.5°	78.2	77.1	75.9	75.0	73.4	71.5	72.0	73.0	74.3	75.5	76.6
66°	76.3	75.1	74.0	73.1	71.6	69.6	70.2	71.1	72.4	73.7	74.7
66.5°	74.4	73.3	72.1	71.3	69.7	67.8	68.3	69.3	70.5	71.8	72.9
67°	72.6	71.4	70.3	69.4	67.9	66.0	66.5	67.5	68.7	69.8	71.0

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

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	70.7	69.5	68.4	67.6	66.1	64.2	64.7	65.6	66.9	67.9	69.1
68°	68.9	67.7	66.6	65.8	64.2	62.3	62.8	63.8	65.1	66.1	67.2
68.5°	67.0	65.8	64.7	64.0	62.4	60.5	61.0	62.0	63.3	64.3	65.3
69°	65.2	63.9	62.9	62.2	60.6	58.7	59.2	60.1	61.4	62.5	63.5
69.5°	63.4	62.1	61.1	60.4	58.8	56.9	57.4	58.3	59.6	60.6	61.6
70°	61.5	60.4	59.2	58.5	57.0	55.1	55.6	56.5	57.8	58.7	59.7
70.5°	59.7	58.5	57.4	56.8	55.2	53.4	53.9	54.7	56.0	57.0	57.9
71°	57.9	56.7	55.6	55.1	53.4	51.6	52.1	52.9	54.2	55.2	56.1
71.5°	56.1	54.9	53.9	53.3	51.6	49.9	50.3	51.1	52.4	53.3	54.3
72°	54.3	53.2	52.1	51.5	49.9	48.1	48.6	49.3	50.7	51.5	52.5
72.5°	52.5	51.3	50.4	49.7	48.2	46.4	46.8	47.5	48.9	49.8	50.7
73°	50.7	49.6	48.6	48.0	46.3	44.6	45.1	45.7	47.1	48.0	48.9
73.5°	48.9	47.9	46.9	46.3	44.6	42.9	43.3	44.0	45.4	46.2	47.2
74°	47.2	46.1	45.1	44.5	42.9	41.2	41.7	42.3	43.6	44.5	45.4
74.5°	45.4	44.4	43.4	42.8	41.2	39.6	40.0	40.6	41.9	42.8	43.6
75°	43.6	42.7	41.7	41.1	39.5	37.9	38.3	38.9	40.2	41.0	41.9
75.5°	42.0	41.0	40.0	39.5	37.8	36.2	36.5	37.1	38.4	39.3	40.2
76°	40.2	39.2	38.3	37.8	36.1	34.5	34.9	35.4	36.8	37.6	38.4
76.5°	38.4	37.5	36.6	36.1	34.5	32.9	33.2	33.8	35.1	35.9	36.7
77°	36.8	35.9	35.5	34.5	32.8	31.2	31.6	32.1	33.4	34.2	35.1
77.5°	35.2	34.3	33.7	32.8	31.2	29.6	30.0	30.5	31.7	32.6	33.4
78°	33.5	32.6	31.9	31.2	29.6	28.0	28.3	28.9	30.1	30.9	31.7
78.5°	31.8	31.0	30.2	29.6	28.0	26.4	26.7	27.3	28.5	29.3	30.0
79°	30.1	29.3	28.4	27.9	26.3	24.8	25.2	25.7	26.8	27.6	28.4
79.5°	28.4	27.7	26.9	26.4	24.8	23.2	23.6	24.1	25.2	26.0	26.8
80°	26.8	26.1	25.3	24.8	23.2	21.7	22.0	22.6	23.6	24.4	25.2
80.5°	25.2	24.5	23.7	23.2	21.7	20.2	20.5	21.0	22.1	22.8	23.6
81°	23.6	22.9	22.2	21.6	20.2	18.7	19.0	19.5	20.5	21.2	22.0
81.5°	22.0	21.4	20.7	20.1	18.7	17.2	17.5	18.0	19.0	19.7	20.4
82°	20.4	19.8	19.1	18.6	17.2	15.7	16.0	16.5	17.5	18.2	18.8
82.5°	18.9	18.3	17.6	17.1	15.7	14.3	14.5	15.0	15.9	16.7	17.3
83°	17.3	16.8	16.1	15.6	14.3	12.9	13.1	13.6	14.5	15.2	15.8
83.5°	15.8	15.3	14.7	14.2	12.9	11.4	11.7	12.1	13.0	13.7	14.3
84°	14.3	13.8	13.2	12.7	11.4	10.1	10.3	10.8	11.5	12.2	12.9
84.5°	12.9	12.4	11.8	11.3	10.1	8.7	9.0	9.4	10.1	10.8	11.4
85°	11.4	11.0	10.4	9.9	8.8	7.4	7.6	8.0	8.7	9.4	10.0
85.5°	9.9	9.5	9.0	8.5	7.4	6.0	6.2	6.7	7.4	8.0	8.6
86°	8.5	8.2	7.7	7.2	6.1	4.7	4.9	5.3	6.0	6.6	7.2
86.5°	7.2	6.8	6.3	5.8	4.8	3.4	3.6	4.0	4.6	5.3	5.8
87°	5.8	5.5	5.0	4.5	3.5	2.3	2.4	2.7	3.3	3.9	4.4
87.5°	4.5	4.1	3.7	3.3	2.3	1.1	1.3	1.6	2.0	2.6	3.1
88°	3.2	3.3	2.8	2.5	1.2	0.4	0.4	0.6	0.9	1.4	1.9
88.5°	2.4	2.5	1.9	1.6	0.4	0.1	0.1	0.1	0.2	0.4	0.8
89°	1.6	1.7	1.0	0.8	0.1	0.0	0.0	0.0	0.0	0.1	0.1
89.5°	0.8	0.9	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: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

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

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Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-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	0.2	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
138.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
140.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
141°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
141.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
142°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
142.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	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: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-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	0.3	0.2	0.2	0.2	0.2
158.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
159°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
159.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
160°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
160.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
161°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
161.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
162°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
162.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
163°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	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	0.3	0.2	0.3	0.2	0.2	0.2	0.2
165.5°	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
166°	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
166.5°	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
167°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
167.5°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
168°	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
168.5°	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
169°	0.2	0.2	0.2	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
169.5°	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
170°	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
170.5°	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2
171°	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2
171.5°	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
172°	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
172.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
173°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
173.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

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

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.2	*0.2*	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

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

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	245.7	245.7	245.7	245.7	245.7	245.7
0.5°	245.7	245.7	245.6	245.4	245.8	245.8
1°	*245.8*	*245.5*	*245.5*	*245.6*	*245.8*	*245.9*
1.5°	245.8	245.4	245.6	245.8	245.6	245.8
2°	245.8	245.4	245.6	245.7	245.6	245.6
2.5°	245.5	245.6	245.6	245.6	245.7	245.5
3°	245.3	245.3	245.5	245.4	245.7	245.4
3.5°	245.2	245.2	245.4	245.3	245.2	245.4
4°	245.2	245.2	245.2	245.2	245.1	245.3
4.5°	245.1	244.8	245.2	245.1	245.1	245.0
5°	244.6	244.6	245.0	244.9	244.9	244.6
5.5°	244.1	244.5	244.6	244.5	244.6	244.3
6°	244.1	244.2	244.3	244.3	244.4	244.1
6.5°	243.8	243.6	244.2	244.1	244.0	243.6
7°	243.3	243.3	243.9	243.8	243.7	243.4
7.5°	242.9	243.3	243.6	243.4	243.4	243.3
8°	242.6	242.9	243.1	243.0	243.0	242.9
8.5°	242.2	242.4	242.7	242.7	242.5	242.1
9°	241.7	241.9	242.4	242.3	242.1	241.5
9.5°	241.2	241.4	242.0	241.9	241.7	241.3
10°	240.7	241.0	241.4	241.4	241.3	241.0
10.5°	240.1	240.5	241.0	240.9	240.7	240.3
11°	239.6	239.9	240.5	240.5	240.0	239.7
11.5°	239.0	239.3	240.0	240.0	239.4	239.1
12°	238.4	238.9	239.4	239.4	239.0	238.4
12.5°	237.5	238.2	238.8	238.7	238.4	237.9
13°	237.0	237.4	238.1	237.9	237.8	237.1
13.5°	236.4	236.8	237.6	237.3	237.0	236.4
14°	235.8	236.2	237.0	236.8	236.3	235.9
14.5°	235.1	235.4	236.2	236.2	235.6	235.2
15°	234.3	234.7	235.4	235.3	234.9	234.3
15.5°	233.3	234.0	234.7	234.5	234.0	233.3
16°	232.4	233.2	234.0	233.8	233.3	232.5
16.5°	231.8	232.1	233.2	233.0	232.6	231.9
17°	231.0	231.3	232.3	232.2	231.7	231.1
17.5°	230.0	230.7	231.6	231.3	230.8	230.1
18°	229.1	229.9	230.7	230.5	229.9	229.1
18.5°	228.1	228.8	229.9	229.6	229.0	228.2
19°	227.2	227.8	228.8	228.7	228.0	227.3
19.5°	226.1	226.8	227.9	227.6	227.1	226.3
20°	225.1	225.9	227.0	226.7	226.2	225.4
20.5°	224.2	224.8	226.1	225.8	225.1	224.4
21°	223.2	223.8	225.0	224.7	224.0	223.3
21.5°	222.1	222.8	223.9	223.7	223.1	222.2
22°	220.9	221.8	222.8	222.7	222.1	221.0

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	219.8	220.6	221.8	221.6	220.9	219.9
23°	218.8	219.6	220.9	220.4	219.8	218.9
23.5°	217.7	218.5	219.7	219.3	218.7	217.7
24°	216.4	217.1	218.5	218.3	217.4	216.5
24.5°	215.2	216.1	217.3	217.1	216.2	215.4
25°	214.0	215.0	216.2	215.9	215.1	214.0
25.5°	212.7	213.6	215.1	214.7	214.1	212.8
26°	211.3	212.3	214.0	213.5	212.9	211.7
26.5°	210.2	211.2	212.7	212.3	211.4	210.5
27°	209.1	210.0	211.2	210.9	210.0	209.1
27.5°	207.8	208.6	210.0	209.6	208.9	207.8
28°	206.5	207.2	208.8	208.4	207.6	206.5
28.5°	205.0	206.1	207.5	207.2	206.2	205.1
29°	203.7	204.7	206.1	205.7	204.9	203.7
29.5°	202.3	203.4	204.8	204.3	203.7	202.4
30°	201.0	201.9	203.5	202.9	202.2	201.0
30.5°	199.4	200.5	202.0	201.5	200.8	199.6
31°	197.9	199.1	200.6	200.3	199.4	198.2
31.5°	196.5	197.8	199.2	199.0	198.0	196.7
32°	195.2	196.3	197.7	197.4	196.7	195.3
32.5°	193.8	194.8	196.3	195.8	195.2	193.8
33°	192.2	193.3	195.1	194.4	193.6	192.3
33.5°	190.7	191.9	193.5	193.1	192.0	191.0
34°	189.2	190.4	191.9	191.7	190.6	189.4
34.5°	187.7	188.9	190.4	190.2	189.2	187.9
35°	186.1	187.4	189.0	188.5	187.6	186.2
35.5°	184.6	185.7	187.5	186.8	185.9	184.7
36°	183.1	184.1	185.9	185.3	184.4	183.3
36.5°	181.5	182.7	184.3	183.9	183.0	181.7
37°	179.9	181.2	182.8	182.3	181.4	180.0
37.5°	178.4	179.4	181.1	180.7	179.7	178.3
38°	176.7	177.8	179.5	179.1	178.2	176.8
38.5°	174.8	176.3	178.0	177.5	176.7	175.2
39°	173.3	174.6	176.4	175.7	174.9	173.6
39.5°	171.9	173.0	174.7	174.2	173.3	172.0
40°	170.1	171.4	173.1	172.6	171.7	170.4
40.5°	168.3	169.7	171.4	171.0	169.9	168.7
41°	166.6	168.0	169.7	169.1	168.3	166.8
41.5°	165.0	166.4	168.0	167.5	166.7	165.1
42°	163.3	164.6	166.4	165.9	165.0	163.6
42.5°	161.6	162.8	164.7	164.1	163.3	162.0
43°	159.9	161.2	163.0	162.4	161.5	160.2
43.5°	158.2	159.6	161.3	160.8	159.7	158.4
44°	156.3	157.8	159.6	159.0	158.0	156.7
44.5°	154.5	155.9	157.9	157.2	156.3	155.0

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	152.8	154.2	156.0	155.5	154.7	153.3
45.5°	151.1	152.5	154.3	153.9	152.9	151.5
46°	149.3	150.7	152.6	152.1	151.1	149.8
46.5°	147.6	148.9	150.8	150.3	149.3	148.0
47°	145.8	147.1	149.0	148.5	147.4	146.2
47.5°	144.1	145.3	147.2	146.7	145.6	144.4
48°	142.3	143.5	145.4	144.9	143.9	142.6
48.5°	140.5	141.8	143.7	143.2	142.2	140.9
49°	138.7	139.9	142.0	141.4	140.3	139.2
49.5°	136.9	138.1	140.2	139.6	138.5	137.4
50°	135.2	136.3	138.3	137.9	136.8	135.6
50.5°	133.3	134.6	136.5	136.0	135.0	133.7
51°	131.5	132.8	134.7	134.2	133.2	131.9
51.5°	129.6	130.9	132.9	132.3	131.4	130.2
52°	127.8	129.1	131.1	130.6	129.6	128.3
52.5°	126.0	127.4	129.3	128.7	127.8	126.6
53°	124.3	125.6	127.4	126.9	126.1	124.7
53.5°	122.3	123.7	125.6	125.0	124.1	122.8
54°	120.4	121.8	123.7	123.2	122.3	120.9
54.5°	118.6	120.1	121.9	121.5	120.6	119.1
55°	116.8	118.3	120.0	119.6	118.8	117.3
55.5°	114.9	116.4	118.2	117.7	116.9	115.5
56°	113.0	114.5	116.4	115.9	115.1	113.6
56.5°	111.1	112.7	114.6	114.0	113.2	111.7
57°	109.3	110.9	112.7	112.1	111.4	109.9
57.5°	107.4	109.1	110.8	110.3	109.6	108.1
58°	105.5	107.2	108.9	108.4	107.8	106.2
58.5°	103.6	105.2	107.1	106.5	105.8	104.4
59°	101.8	103.4	105.2	104.7	103.9	102.5
59.5°	100.0	101.5	103.3	102.8	102.0	100.6
60°	98.1	99.6	101.4	100.9	100.2	98.8
60.5°	96.2	97.7	99.6	99.1	98.4	96.8
61°	94.3	95.8	97.7	97.2	96.4	95.0
61.5°	92.4	93.9	95.8	95.3	94.6	93.2
62°	90.6	92.1	93.9	93.4	92.6	91.3
62.5°	88.7	90.2	92.0	91.6	90.8	89.4
63°	86.8	88.3	90.1	89.6	88.9	87.5
63.5°	85.0	86.3	88.2	87.8	86.9	85.7
64°	83.1	84.4	86.2	85.8	85.1	83.8
64.5°	81.2	82.5	84.4	83.9	83.2	81.9
65°	79.3	80.6	82.5	82.0	81.3	80.1
65.5°	77.4	78.7	80.6	80.1	79.4	78.2
66°	75.5	76.8	78.6	78.2	77.4	76.3
66.5°	73.7	74.9	76.7	76.3	75.6	74.4
67°	71.8	73.1	74.8	74.4	73.7	72.6

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

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	69.9	71.2	72.9	72.5	71.8	70.7
68°	68.0	69.3	71.1	70.6	69.9	68.9
68.5°	66.2	67.4	69.2	68.7	68.1	67.0
69°	64.3	65.5	67.3	66.9	66.2	65.2
69.5°	62.5	63.6	65.4	65.1	64.3	63.4
70°	60.6	61.8	63.6	63.2	62.4	61.5
70.5°	58.8	59.9	61.7	61.3	60.6	59.7
71°	57.0	58.1	59.8	59.4	58.8	57.9
71.5°	55.2	56.2	58.0	57.7	56.9	56.1
72°	53.4	54.4	56.2	55.8	55.0	54.3
72.5°	51.5	52.6	54.4	54.0	53.2	52.5
73°	49.7	50.7	52.6	52.2	51.4	50.7
73.5°	47.9	48.9	50.8	50.4	49.6	48.9
74°	46.2	47.1	49.0	48.6	47.8	47.2
74.5°	44.4	45.3	47.2	46.8	46.0	45.4
75°	42.7	43.6	45.4	45.0	44.2	43.6
75.5°	40.9	41.8	43.6	43.3	42.5	42.0
76°	39.1	40.0	41.9	41.5	40.7	40.2
76.5°	37.4	38.3	40.1	39.8	39.0	38.4
77°	35.7	36.6	38.4	38.0	37.2	36.8
77.5°	34.0	35.4	36.7	36.3	35.6	35.2
78°	32.3	33.6	35.0	34.6	33.9	33.5
78.5°	30.6	31.8	33.3	32.9	32.2	31.8
79°	28.9	30.1	31.6	31.2	30.6	30.1
79.5°	27.3	28.3	29.9	29.6	28.9	28.4
80°	25.7	26.6	28.2	27.9	27.3	26.8
80.5°	24.1	25.0	26.6	26.2	25.6	25.2
81°	22.5	23.4	25.0	24.7	24.0	23.6
81.5°	20.9	21.8	23.3	23.0	22.4	22.0
82°	19.3	20.2	21.7	21.4	20.8	20.4
82.5°	17.8	18.7	20.2	19.9	19.3	18.9
83°	16.3	17.1	18.6	18.3	17.7	17.3
83.5°	14.8	15.6	17.1	16.8	16.2	15.8
84°	13.2	14.1	15.6	15.3	14.7	14.3
84.5°	11.8	12.7	14.1	13.8	13.3	12.9
85°	10.4	11.2	12.6	12.3	11.8	11.4
85.5°	9.0	9.8	11.1	10.9	10.4	9.9
86°	7.6	8.4	9.7	9.5	9.0	8.5
86.5°	6.2	7.0	8.3	8.1	7.6	7.2
87°	4.7	5.7	6.9	6.7	6.3	5.8
87.5°	3.4	4.3	5.6	5.3	5.0	4.5
88°	2.2	3.1	4.3	4.0	3.6	3.2
88.5°	1.0	1.8	3.4	3.0	2.7	2.4
89°	0.2	1.4	2.6	2.0	1.9	1.6
89.5°	0.0	1.1	1.7	1.1	1.0	0.8

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.7	0.9	0.1	0.1	0.0
90.5°	0.0	0.4	0.0	0.0	0.0	0.0
91°	0.0	0.1	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°	0.1	0.0	0.0	0.0	0.0	0.0
102°	0.1	0.0	0.0	0.0	0.0	0.0
102.5°	0.1	0.0	0.0	0.0	0.0	0.0
103°	0.1	0.1	0.0	0.0	0.0	0.0
103.5°	0.1	0.1	0.0	0.0	0.0	0.0
104°	0.1	0.1	0.0	0.0	0.0	0.0
104.5°	0.1	0.1	0.0	0.0	0.0	0.0
105°	0.1	0.1	0.1	0.1	0.1	0.1
105.5°	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.1	0.1	0.1	0.1	0.1	0.1
108.5°	0.1	0.1	0.1	0.1	0.1	0.1
109°	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-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	0.2	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.1	0.2	0.1	0.1	0.1	0.1
135.5°	0.1	0.2	0.1	0.1	0.1	0.1
136°	0.1	0.2	0.1	0.1	0.1	0.1
136.5°	0.1	0.2	0.1	0.1	0.1	0.1
137°	0.1	0.2	0.1	0.1	0.1	0.1
137.5°	0.1	0.2	0.1	0.1	0.1	0.1
138°	0.1	0.2	0.1	0.1	0.1	0.1
138.5°	0.1	0.2	0.1	0.1	0.1	0.1
139°	0.2	0.2	0.1	0.1	0.1	0.1
139.5°	0.2	0.2	0.1	0.1	0.1	0.1
140°	0.2	0.2	0.1	0.1	0.1	0.1
140.5°	0.2	0.2	0.1	0.1	0.1	0.1
141°	0.2	0.2	0.1	0.1	0.1	0.1
141.5°	0.2	0.2	0.1	0.1	0.1	0.1
142°	0.2	0.2	0.1	0.1	0.1	0.1
142.5°	0.2	0.2	0.1	0.1	0.1	0.1
143°	0.2	0.2	0.1	0.1	0.1	0.1
143.5°	0.2	0.2	0.1	0.1	0.1	0.1
144°	0.2	0.2	0.1	0.1	0.1	0.1
144.5°	0.2	0.2	0.1	0.1	0.1	0.1
145°	0.2	0.2	0.1	0.1	0.1	0.1
145.5°	0.2	0.2	0.1	0.1	0.1	0.1
146°	0.2	0.2	0.1	0.1	0.1	0.1
146.5°	0.2	0.2	0.1	0.1	0.1	0.1
147°	0.2	0.2	0.1	0.1	0.1	0.1
147.5°	0.2	0.2	0.1	0.1	0.1	0.1
148°	0.2	0.2	0.1	0.1	0.1	0.1
148.5°	0.2	0.2	0.1	0.1	0.1	0.1
149°	0.2	0.2	0.1	0.1	0.1	0.1
149.5°	0.2	0.2	0.1	0.1	0.1	0.1
150°	0.2	0.2	0.1	0.1	0.1	0.1
150.5°	0.2	0.2	0.1	0.1	0.1	0.1
151°	0.2	0.2	0.1	0.1	0.1	0.1
151.5°	0.2	0.2	0.1	0.1	0.1	0.1
152°	0.3	0.2	0.1	0.1	0.1	0.1
152.5°	0.3	0.2	0.1	0.1	0.1	0.1
153°	0.3	0.2	0.1	0.1	0.1	0.1
153.5°	0.3	0.2	0.1	0.1	0.1	0.1
154°	0.3	0.2	0.1	0.1	0.1	0.1
154.5°	0.3	0.2	0.1	0.1	0.1	0.1
155°	0.3	0.2	0.1	0.1	0.1	0.1
155.5°	0.3	0.2	0.1	0.1	0.1	0.1
156°	0.3	0.2	0.2	0.1	0.1	0.1
156.5°	0.3	0.2	0.2	0.1	0.1	0.1
157°	0.3	0.2	0.2	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.2	0.1	0.1	0.1
158°	0.3	0.2	0.2	0.1	0.1	0.1
158.5°	0.3	0.2	0.2	0.1	0.1	0.1
159°	0.3	0.2	0.2	0.1	0.1	0.1
159.5°	0.3	0.2	0.2	0.1	0.1	0.1
160°	0.3	0.2	0.2	0.1	0.1	0.1
160.5°	0.3	0.2	0.2	0.1	0.1	0.1
161°	0.3	0.2	0.2	0.2	0.1	0.1
161.5°	0.3	0.2	0.2	0.2	0.2	0.1
162°	0.3	0.2	0.2	0.2	0.2	0.1
162.5°	0.3	0.2	0.2	0.2	0.2	0.1
163°	0.3	0.2	0.2	0.2	0.2	0.1
163.5°	0.3	0.2	0.2	0.2	0.2	0.1
164°	0.3	0.2	0.2	0.2	0.2	0.1
164.5°	0.3	0.2	0.2	0.2	0.2	0.1
165°	0.3	0.2	0.2	0.2	0.2	0.1
165.5°	0.3	0.2	0.2	0.2	0.2	0.1
166°	0.3	0.2	0.2	0.2	0.2	0.1
166.5°	0.3	0.2	0.2	0.2	0.2	0.1
167°	0.3	0.2	0.2	0.2	0.2	0.2
167.5°	0.3	0.3	0.2	0.2	0.2	0.2
168°	0.3	0.3	0.2	0.2	0.2	0.2
168.5°	0.3	0.3	0.2	0.2	0.2	0.2
169°	0.4	0.3	0.2	0.2	0.2	0.2
169.5°	0.4	0.3	0.2	0.2	0.2	0.2
170°	0.3	0.3	0.2	0.2	0.2	0.2
170.5°	0.3	0.3	0.2	0.2	0.2	0.2
171°	0.2	0.3	0.2	0.2	0.2	0.2
171.5°	0.2	0.3	0.2	0.2	0.2	0.2
172°	0.2	0.3	0.2	0.2	0.2	0.2
172.5°	0.2	0.3	0.2	0.2	0.2	0.2
173°	0.2	0.3	0.2	0.2	0.2	0.2
173.5°	0.3	0.2	0.2	0.2	0.2	0.2
174°	0.3	0.2	0.2	0.2	0.2	0.2
174.5°	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.2	0.2	0.2	0.2	0.2
176°	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.2	0.2	0.2	0.2	0.2	0.2

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

Scaled Data Report

TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.2	0.2	0.2	0.2	0.2	0.2

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TEST NUMBER: P1596594
CATALOG NUMBER: HLB2LSFS5-MED-3000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	29.32	30.94	29.69	31.26	31.58	28.95	30.58	29.32	30.89	31.21
	3H	31.12	32.58	31.49	32.91	33.27	30.69	32.16	31.07	32.49	32.85
	4H	31.80	33.18	32.20	33.53	33.91	31.33	32.71	31.73	33.06	33.44
	6H	32.32	33.60	32.73	33.97	34.36	31.79	33.07	32.21	33.44	33.83
	8H	32.49	33.71	32.92	34.10	34.50	31.93	33.15	32.36	33.54	33.94
	12H	32.56	33.73	33.00	34.12	34.55	31.98	33.15	32.41	33.53	33.96
4H	2H	29.95	31.33	30.35	31.68	32.06	29.58	30.96	29.98	31.31	31.69
	3H	31.96	33.12	32.38	33.52	33.92	31.54	32.69	31.95	33.09	33.49
	4H	32.78	33.83	33.21	34.24	34.68	32.30	33.35	32.73	33.76	34.20
	6H	33.43	34.35	33.89	34.79	35.25	32.88	33.80	33.34	34.24	34.70
	8H	33.65	34.51	34.11	34.95	35.42	33.06	33.92	33.52	34.36	34.83
	12H	33.78	34.55	34.26	35.03	35.50	33.16	33.92	33.64	34.40	34.87
8H	4H	33.10	33.95	33.56	34.40	34.87	32.61	33.46	33.07	33.91	34.38
	6H	33.88	34.59	34.37	35.08	35.55	33.30	34.02	33.80	34.51	34.98
	8H	34.17	34.81	34.68	35.32	35.81	33.55	34.19	34.06	34.69	35.18
	12H	34.38	34.95	34.89	35.44	36.00	33.70	34.27	34.21	34.76	35.32
12H	4H	33.13	33.90	33.62	34.38	34.85	32.64	33.41	33.12	33.89	34.36
	6H	33.94	34.58	34.45	35.08	35.57	33.36	34.00	33.87	34.50	34.99
	8H	34.29	34.85	34.80	35.35	35.91	33.65	34.22	34.16	34.71	35.27

END OF REPORT