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: P1596596

Luminaire Tested: HLB2LSFS5-MED-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:	P1596596
	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-4000K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	4000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

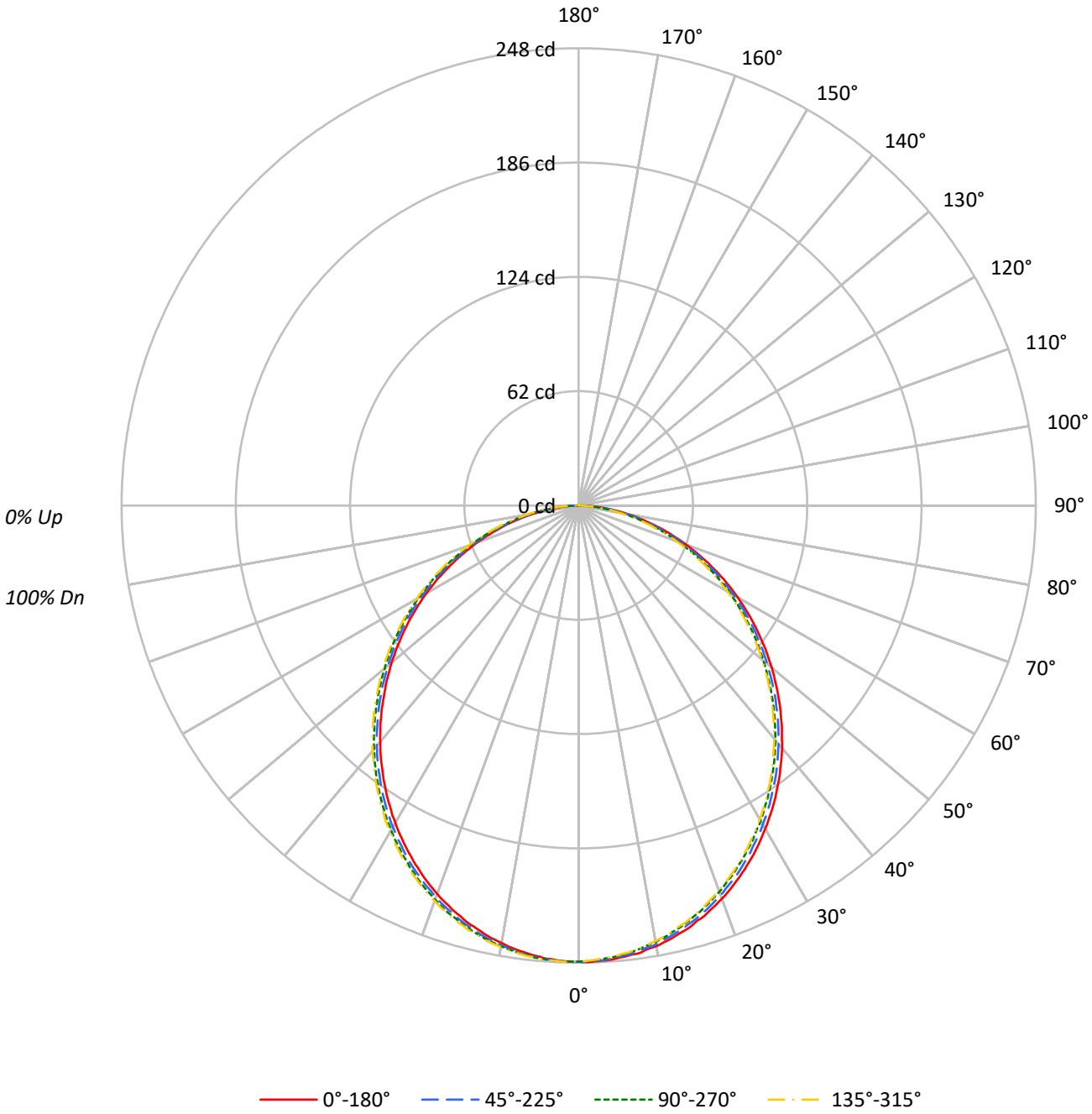
Lumens per Lamp:	N/A
Luminaire Lumens:	660.0 lumens
Efficiency:	N/A
Efficacy:	98.5 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	6.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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°	170500	170500	170500	170500
5°	170391	169630	169838	170460
10°	169843	168164	168584	169843
15°	168385	166031	166887	168599
20°	166487	163482	164435	166854
25°	163955	160459	161447	164715
30°	161081	157104	158138	161797
35°	157852	153311	154572	158777
40°	154407	149281	150630	155306
45°	150422	144869	146233	151397
50°	146397	140181	141896	147148
55°	141963	135478	136919	143164
60°	137089	130063	131440	138329
65°	131545	123721	125025	132523
70°	124879	115614	117427	125282
75°	117113	105934	107798	117113
80°	107113	92832	94418	106320
85°	90898	69556	69556	89317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 153150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	3.5
10°-20°	66.2	10.0
20°-30°	98.5	14.9
30°-40°	116.1	17.6
40°-50°	117.4	17.8
50°-60°	103.7	15.7
60°-70°	77.8	11.8
70°-80°	44.5	6.7
80°-90°	11.7	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°	188.1	28.5
0°-40°	304.2	46.1
0°-60°	525.3	79.6
0°-90°	659.4	99.9
90°-120°	0.2	0.0
90°-150°	0.5	0.1
90°-180°	1.0	0.2
0°-180°	660.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	248	248	248	248	248	
5°	246	245	246	246	246	23
15°	236	233	234	236	236	67
25°	216	211	212	217	216	99
35°	188	182	184	189	188	117
45°	154	149	150	155	154	119
55°	118	113	114	119	118	106
65°	81	76	77	81	81	80
75°	44	40	40	44	44	47
85°	12	9	9	11	12	13
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°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5
0.5°	247.7	247.7	247.8	247.6	247.2	247.1	247.4	247.3	247.5	247.7	247.6
1°	247.8	247.9	247.6	247.4	247.2	247.0	247.1	247.3	247.4	247.8	247.5
1.5°	247.7	247.7	247.3	247.2	247.1	246.8	246.9	247.2	247.4	247.6	247.6
2°	247.5	247.4	247.2	247.3	246.9	246.6	246.7	246.9	247.3	247.3	247.5
2.5°	247.4	247.4	247.2	247.2	246.6	246.4	246.4	246.7	247.2	247.1	247.3
3°	247.3	247.3	247.1	246.9	246.4	246.2	246.2	246.6	246.8	247.0	247.3
3.5°	247.3	247.0	246.8	246.4	246.0	246.0	245.9	246.4	246.5	247.1	247.0
4°	247.1	246.7	246.6	246.2	245.9	245.7	245.8	246.0	246.5	246.9	246.8
4.5°	246.8	246.6	246.2	246.2	245.7	245.3	245.5	245.5	246.2	246.5	246.6
5°	246.4	246.4	246.0	245.9	245.3	244.8	245.0	245.2	245.6	246.1	246.3
5.5°	246.2	246.0	245.6	245.4	244.8	244.4	244.4	245.0	245.4	245.8	246.1
6°	245.9	245.5	245.2	244.9	244.3	244.1	244.1	244.6	245.1	245.5	245.8
6.5°	245.5	245.3	244.9	244.7	244.0	243.6	243.8	244.1	244.5	245.1	245.4
7°	245.3	245.1	244.7	244.2	243.6	243.0	243.4	243.8	244.0	244.6	244.9
7.5°	245.2	244.6	244.3	243.8	243.2	242.5	242.8	243.2	243.7	244.2	244.5
8°	244.8	244.0	243.6	243.2	242.6	242.1	242.3	242.7	243.3	243.8	244.2
8.5°	243.9	243.7	242.9	242.7	241.9	241.4	241.8	242.1	242.7	243.3	243.8
9°	243.3	243.2	242.6	242.2	241.4	241.0	241.2	241.5	242.3	242.8	243.3
9.5°	243.1	242.6	242.3	241.7	240.9	240.3	240.5	241.0	241.7	242.3	242.7
10°	242.8	242.1	241.7	241.1	240.4	239.6	239.9	240.5	241.0	241.6	242.2
10.5°	242.2	241.7	240.9	240.3	239.7	239.0	239.2	239.7	240.4	241.1	241.6
11°	241.5	241.0	240.2	239.7	239.1	238.3	238.6	239.1	239.8	240.5	241.1
11.5°	240.9	240.4	239.6	239.2	238.4	237.6	237.9	238.4	239.3	239.9	240.3
12°	240.3	239.7	239.0	238.5	237.6	236.8	237.2	237.7	238.6	239.1	239.9
12.5°	239.7	238.9	238.3	237.7	236.8	236.0	236.4	237.0	237.8	238.5	239.2
13°	238.9	238.4	237.6	236.9	236.1	235.3	235.5	236.3	237.0	237.9	238.4
13.5°	238.2	237.7	237.0	236.2	235.4	234.6	234.6	235.5	236.2	237.1	237.7
14°	237.7	237.0	236.1	235.5	234.7	233.8	234.0	234.5	235.4	236.2	237.0
14.5°	237.0	236.1	235.1	234.7	233.7	232.7	233.3	233.7	234.8	235.4	236.2
15°	236.1	235.3	234.4	233.8	232.8	231.8	232.3	233.0	234.0	234.7	235.4
15.5°	235.1	234.6	233.7	232.9	231.8	231.0	231.3	232.2	233.1	233.9	234.6
16°	234.2	233.7	232.8	231.9	231.0	230.1	230.4	231.2	232.0	233.0	233.8
16.5°	233.7	232.7	231.7	231.0	230.3	229.1	229.5	230.3	231.2	232.0	232.9
17°	232.9	231.8	230.8	230.2	229.2	228.2	228.6	229.2	230.3	231.2	231.9
17.5°	231.9	230.9	230.1	229.3	228.2	227.1	227.6	228.3	229.4	230.4	231.0
18°	230.8	230.0	229.2	228.4	227.3	226.2	226.5	227.5	228.2	229.5	230.2
18.5°	229.9	229.1	228.1	227.3	226.3	225.0	225.4	226.3	227.3	228.4	229.2
19°	229.1	228.1	227.0	226.2	225.1	224.0	224.5	225.3	226.4	227.2	228.3
19.5°	228.0	227.0	226.0	225.2	224.0	223.0	223.5	224.3	225.5	226.3	227.3
20°	227.1	226.1	225.0	224.1	223.0	221.8	222.3	223.2	224.3	225.3	226.2
20.5°	226.1	225.1	224.0	223.0	222.0	220.7	221.1	222.1	223.1	224.2	225.1
21°	225.0	223.9	222.7	222.0	220.8	219.6	220.1	221.0	222.0	223.2	223.9
21.5°	223.9	222.9	221.6	220.9	219.5	218.6	218.9	219.7	221.0	222.0	223.0
22°	222.7	221.7	220.5	219.6	218.4	217.3	217.7	218.6	219.8	220.8	222.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	221.6	220.5	219.5	218.4	217.4	215.9	216.5	217.5	218.7	219.8	220.8
23°	220.5	219.4	218.3	217.3	216.1	214.7	215.3	216.3	217.4	218.6	219.6
23.5°	219.4	218.3	217.1	216.1	214.8	213.6	214.1	215.0	216.1	217.4	218.4
24°	218.2	217.1	215.9	214.9	213.5	212.4	212.9	213.8	214.9	216.1	217.3
24.5°	217.0	215.9	214.6	213.8	212.3	211.1	211.6	212.5	213.9	215.0	216.1
25°	215.7	214.6	213.2	212.4	211.1	209.9	210.2	211.4	212.4	213.8	214.8
25.5°	214.4	213.3	212.1	211.1	209.8	208.6	208.9	210.0	211.1	212.5	213.6
26°	213.3	212.1	210.9	209.9	208.4	207.2	207.8	208.6	209.9	211.0	212.3
26.5°	212.1	210.8	209.5	208.4	207.0	205.7	206.4	207.3	208.6	209.9	211.0
27°	210.7	209.4	208.0	207.1	206.0	204.4	204.9	206.0	207.3	208.8	209.6
27.5°	209.4	208.2	206.7	205.9	204.6	203.1	203.5	204.6	205.9	207.2	208.2
28°	208.1	206.9	205.4	204.6	203.0	201.6	202.3	203.2	204.5	205.7	207.0
28.5°	206.6	205.5	204.1	202.9	201.5	200.3	201.0	201.8	203.2	204.4	205.8
29°	205.3	204.0	202.8	201.6	200.2	199.0	199.4	200.5	201.8	203.2	204.5
29.5°	203.9	202.6	201.3	200.3	198.9	197.5	197.9	199.2	200.4	201.8	202.9
30°	202.5	201.2	199.8	198.9	197.5	196.0	196.6	197.8	198.8	200.3	201.5
30.5°	201.1	199.8	198.4	197.4	196.1	194.5	195.2	196.2	197.5	198.9	200.2
31°	199.7	198.4	197.0	196.0	194.4	193.1	193.6	194.6	196.2	197.5	198.7
31.5°	198.2	197.1	195.5	194.6	192.8	191.7	192.1	193.2	194.5	196.0	197.1
32°	196.8	195.6	194.1	193.0	191.4	190.0	190.7	191.7	193.0	194.4	195.7
32.5°	195.3	194.0	192.6	191.4	190.1	188.5	189.1	190.2	191.6	193.0	194.4
33°	193.8	192.4	191.0	189.9	188.6	187.0	187.6	188.6	190.1	191.5	192.8
33.5°	192.4	191.0	189.4	188.5	186.9	185.5	186.0	187.1	188.6	189.9	191.2
34°	190.9	189.4	187.9	187.0	185.3	183.9	184.5	185.5	187.0	188.4	189.7
34.5°	189.3	188.0	186.5	185.4	183.8	182.3	183.0	183.9	185.4	186.9	188.2
35°	187.7	186.4	184.9	183.8	182.3	180.8	181.4	182.4	183.8	185.2	186.7
35.5°	186.2	184.8	183.3	182.2	180.6	179.2	179.9	180.8	182.4	183.7	185.0
36°	184.7	183.1	181.8	180.5	179.1	177.5	178.2	179.3	180.7	182.2	183.4
36.5°	183.1	181.6	180.2	179.0	177.5	175.8	176.6	177.6	179.0	180.5	181.7
37°	181.4	180.0	178.5	177.5	175.9	174.3	174.9	176.0	177.4	178.9	180.3
37.5°	179.7	178.5	176.8	175.9	174.3	172.8	173.3	174.4	175.9	177.2	178.7
38°	178.1	176.8	175.2	174.1	172.6	171.1	171.6	172.7	174.3	175.6	177.0
38.5°	176.6	175.1	173.6	172.5	170.9	169.3	169.9	171.1	172.6	174.0	175.4
39°	174.9	173.5	171.9	170.9	169.3	167.6	168.3	169.5	170.9	172.4	173.7
39.5°	173.3	171.8	170.3	169.3	167.7	166.0	166.7	167.8	169.1	170.7	172.0
40°	171.7	170.1	168.7	167.5	166.0	164.3	165.0	166.0	167.5	169.0	170.3
40.5°	170.0	168.5	166.9	165.7	164.3	162.7	163.2	164.3	165.9	167.3	168.5
41°	168.0	166.8	165.3	164.1	162.5	160.9	161.4	162.5	164.1	165.6	167.0
41.5°	166.4	165.2	163.6	162.4	160.8	159.2	159.8	160.9	162.4	163.8	165.3
42°	164.8	163.3	161.9	160.7	159.2	157.4	158.1	159.3	160.7	162.1	163.5
42.5°	163.2	161.5	160.1	159.0	157.5	155.8	156.4	157.4	159.0	160.5	161.7
43°	161.4	159.9	158.4	157.3	155.7	154.0	154.7	155.7	157.1	158.7	160.0
43.5°	159.6	158.2	156.6	155.6	154.0	152.3	152.9	153.9	155.4	156.9	158.2
44°	157.9	156.4	154.9	153.9	152.1	150.5	151.1	152.1	153.8	155.0	156.6
44.5°	156.2	154.6	153.0	152.0	150.4	148.8	149.3	150.4	151.9	153.4	154.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	154.4	152.8	151.4	150.2	148.7	147.0	147.5	148.7	150.1	151.7	153.0
45.5°	152.7	151.1	149.6	148.4	146.9	145.2	145.9	146.9	148.3	149.9	151.3
46°	150.9	149.3	147.9	146.7	145.2	143.5	144.2	145.1	146.6	148.0	149.4
46.5°	149.1	147.6	146.1	145.0	143.4	141.7	142.3	143.2	144.8	146.2	147.6
47°	147.3	145.8	144.2	143.2	141.5	139.9	140.5	141.4	143.1	144.4	145.9
47.5°	145.5	144.0	142.4	141.4	139.7	138.2	138.8	139.7	141.3	142.6	144.1
48°	143.7	142.2	140.7	139.7	137.8	136.4	137.0	137.9	139.5	140.8	142.3
48.5°	141.9	140.4	138.9	137.9	136.2	134.6	135.2	136.1	137.7	139.1	140.4
49°	140.3	138.5	137.1	136.1	134.5	132.8	133.4	134.3	135.9	137.3	138.6
49.5°	138.5	136.8	135.3	134.3	132.6	131.0	131.6	132.4	134.2	135.6	136.8
50°	136.6	135.1	133.5	132.6	130.8	129.2	129.8	130.6	132.4	133.7	135.0
50.5°	134.7	133.3	131.7	130.8	129.0	127.4	128.0	128.9	130.5	131.7	133.2
51°	132.9	131.4	129.9	129.0	127.2	125.5	126.1	127.2	128.6	130.0	131.4
51.5°	131.2	129.7	128.2	127.0	125.5	123.7	124.4	125.4	126.8	128.3	129.5
52°	129.3	127.9	126.4	125.2	123.7	121.9	122.6	123.6	125.0	126.5	127.7
52.5°	127.5	126.0	124.5	123.5	121.9	120.1	120.8	121.8	123.2	124.7	125.9
53°	125.7	124.2	122.7	121.7	120.1	118.3	118.9	119.9	121.3	122.8	124.2
53.5°	123.8	122.4	120.9	119.8	118.3	116.5	117.0	118.2	119.5	120.9	122.2
54°	121.9	120.6	119.1	118.0	116.4	114.6	115.1	116.4	117.7	119.1	120.4
54.5°	120.0	118.7	117.3	116.2	114.6	112.8	113.3	114.5	115.8	117.3	118.7
55°	118.2	116.9	115.5	114.4	112.8	110.9	111.5	112.6	114.0	115.5	116.8
55.5°	116.4	115.1	113.7	112.5	111.0	109.1	109.7	110.7	112.1	113.7	114.9
56°	114.5	113.2	111.8	110.6	109.3	107.2	107.9	108.9	110.2	111.8	112.9
56.5°	112.6	111.3	110.0	108.8	107.4	105.4	106.0	107.2	108.5	109.9	111.2
57°	110.7	109.5	108.1	107.0	105.5	103.6	104.1	105.3	106.6	108.0	109.4
57.5°	108.9	107.7	106.3	105.1	103.5	101.7	102.3	103.4	104.6	106.2	107.5
58°	107.0	105.8	104.5	103.2	101.8	99.8	100.5	101.5	102.8	104.4	105.6
58.5°	105.2	104.0	102.7	101.4	100.1	98.1	98.6	99.7	100.9	102.5	103.8
59°	103.3	102.1	100.8	99.6	98.2	96.2	96.8	97.9	99.1	100.6	101.9
59.5°	101.4	100.2	98.9	97.6	96.2	94.3	94.9	96.0	97.3	98.7	99.9
60°	99.5	98.4	97.0	95.9	94.4	92.5	93.1	94.1	95.4	96.8	98.0
60.5°	97.6	96.5	95.1	94.1	92.6	90.6	91.2	92.3	93.5	95.0	96.2
61°	95.7	94.6	93.3	92.2	90.7	88.8	89.3	90.5	91.6	93.1	94.3
61.5°	93.9	92.7	91.5	90.3	88.9	86.9	87.5	88.6	89.8	91.2	92.5
62°	92.0	90.8	89.5	88.5	87.0	85.0	85.7	86.7	88.0	89.4	90.5
62.5°	90.1	88.9	87.7	86.6	85.1	83.2	83.8	84.8	86.1	87.4	88.6
63°	88.2	87.0	85.8	84.8	83.3	81.3	81.9	83.0	84.2	85.5	86.7
63.5°	86.3	85.1	83.9	83.0	81.4	79.5	80.0	81.1	82.3	83.6	84.8
64°	84.4	83.3	82.0	81.1	79.6	77.6	78.2	79.3	80.5	81.7	82.9
64.5°	82.6	81.4	80.2	79.2	77.7	75.8	76.3	77.4	78.6	79.8	81.0
65°	80.7	79.5	78.3	77.3	75.9	73.9	74.4	75.5	76.7	77.9	79.1
65.5°	78.8	77.6	76.4	75.5	74.0	72.0	72.6	73.5	74.9	76.1	77.2
66°	76.9	75.7	74.5	73.7	72.2	70.2	70.7	71.7	73.0	74.2	75.2
66.5°	75.0	73.8	72.6	71.8	70.2	68.3	68.8	69.8	71.1	72.3	73.4
67°	73.1	71.9	70.8	70.0	68.4	66.5	67.0	68.0	69.2	70.4	71.5

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

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	71.2	70.0	69.0	68.1	66.6	64.7	65.1	66.1	67.4	68.5	69.6
68°	69.4	68.2	67.1	66.3	64.7	62.8	63.3	64.3	65.6	66.6	67.7
68.5°	67.5	66.3	65.2	64.5	62.9	61.0	61.5	62.4	63.7	64.8	65.8
69°	65.7	64.4	63.4	62.7	61.1	59.2	59.7	60.5	61.9	62.9	64.0
69.5°	63.8	62.6	61.6	60.8	59.3	57.4	57.8	58.7	60.1	61.0	62.1
70°	62.0	60.8	59.7	59.0	57.4	55.6	56.1	57.0	58.3	59.2	60.2
70.5°	60.1	59.0	57.9	57.2	55.6	53.8	54.3	55.1	56.5	57.4	58.4
71°	58.3	57.1	56.1	55.5	53.8	52.0	52.5	53.3	54.6	55.6	56.6
71.5°	56.5	55.4	54.3	53.7	52.0	50.3	50.7	51.5	52.8	53.8	54.7
72°	54.7	53.6	52.5	51.9	50.3	48.5	49.0	49.7	51.0	51.9	52.9
72.5°	52.9	51.7	50.8	50.1	48.5	46.8	47.2	47.9	49.3	50.2	51.1
73°	51.1	50.0	49.0	48.4	46.7	45.0	45.4	46.1	47.5	48.3	49.3
73.5°	49.3	48.2	47.2	46.6	45.0	43.3	43.6	44.4	45.7	46.6	47.6
74°	47.5	46.5	45.5	44.9	43.2	41.5	42.0	42.6	44.0	44.8	45.7
74.5°	45.7	44.7	43.8	43.1	41.5	39.9	40.3	40.9	42.2	43.1	43.9
75°	44.0	43.0	42.0	41.5	39.8	38.2	38.6	39.2	40.5	41.3	42.3
75.5°	42.3	41.3	40.3	39.8	38.1	36.4	36.8	37.4	38.7	39.6	40.5
76°	40.5	39.5	38.6	38.1	36.4	34.8	35.1	35.7	37.1	37.9	38.7
76.5°	38.7	37.8	36.9	36.4	34.7	33.1	33.5	34.0	35.3	36.2	37.0
77°	37.0	36.2	35.7	34.7	33.0	31.4	31.8	32.4	33.7	34.4	35.4
77.5°	35.5	34.5	34.0	33.1	31.4	29.8	30.2	30.7	32.0	32.8	33.6
78°	33.8	32.9	32.2	31.4	29.8	28.2	28.5	29.1	30.3	31.1	31.9
78.5°	32.1	31.2	30.4	29.8	28.2	26.6	26.9	27.5	28.7	29.5	30.2
79°	30.4	29.5	28.7	28.2	26.6	25.0	25.3	25.9	27.0	27.8	28.6
79.5°	28.7	27.9	27.1	26.6	25.0	23.4	23.8	24.3	25.4	26.2	27.0
80°	27.0	26.3	25.5	25.0	23.4	21.9	22.2	22.7	23.8	24.6	25.4
80.5°	25.4	24.7	23.9	23.4	21.9	20.4	20.6	21.2	22.3	23.0	23.7
81°	23.8	23.1	22.4	21.8	20.3	18.9	19.1	19.6	20.7	21.4	22.1
81.5°	22.2	21.5	20.8	20.3	18.8	17.3	17.6	18.1	19.2	19.8	20.5
82°	20.6	19.9	19.3	18.8	17.3	15.9	16.1	16.6	17.6	18.3	19.0
82.5°	19.0	18.4	17.8	17.3	15.8	14.4	14.6	15.1	16.1	16.8	17.5
83°	17.5	16.9	16.3	15.7	14.4	13.0	13.2	13.7	14.6	15.3	16.0
83.5°	16.0	15.4	14.8	14.3	13.0	11.5	11.8	12.2	13.1	13.8	14.4
84°	14.4	13.9	13.3	12.8	11.5	10.2	10.4	10.8	11.6	12.3	13.0
84.5°	13.0	12.5	11.9	11.4	10.2	8.8	9.0	9.5	10.2	10.9	11.5
85°	11.5	11.0	10.5	10.0	8.8	7.5	7.7	8.1	8.8	9.5	10.1
85.5°	10.0	9.6	9.1	8.6	7.5	6.1	6.3	6.7	7.4	8.1	8.7
86°	8.6	8.2	7.7	7.2	6.1	4.7	4.9	5.4	6.0	6.7	7.3
86.5°	7.2	6.9	6.4	5.9	4.8	3.5	3.6	4.0	4.6	5.3	5.9
87°	5.9	5.5	5.0	4.6	3.5	2.3	2.4	2.7	3.3	3.9	4.5
87.5°	4.5	4.1	3.7	3.3	2.3	1.2	1.3	1.6	2.0	2.6	3.2
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	1.7	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: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

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	0.1	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	0.1	0.1	0.1	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	0.1	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	0.1	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	0.1
103°	0.0	0.0	0.0	0.1	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°	0.1	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	0.1	0.1
105.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	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: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-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	0.2	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	0.2	0.2	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.2	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	0.2	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	0.2
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	0.2	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	0.2	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: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-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	0.3	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°	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
165°	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
165.5°	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
166°	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
166.5°	0.2	0.2	0.2	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
167°	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
167.5°	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
168°	0.2	0.2	0.2	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	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
171°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
171.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
172°	0.2	0.2	0.2	0.2	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: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	247.5	247.5	247.5	247.5	247.5	247.5
0.5°	247.6	247.5	247.5	247.3	247.7	247.7
1°	*247.7*	*247.4*	*247.4*	*247.4*	*247.7*	*247.8*
1.5°	247.7	247.3	247.5	247.7	247.5	247.7
2°	247.6	247.3	247.4	247.6	247.5	247.5
2.5°	247.4	247.4	247.5	247.4	247.6	247.4
3°	247.1	247.1	247.3	247.3	247.6	247.3
3.5°	247.1	247.1	247.3	247.2	247.1	247.3
4°	247.0	247.1	247.1	247.1	247.0	247.1
4.5°	246.9	246.7	247.1	247.0	246.9	246.8
5°	246.5	246.5	246.9	246.7	246.8	246.4
5.5°	246.0	246.4	246.4	246.4	246.5	246.2
6°	245.9	246.1	246.2	246.2	246.2	245.9
6.5°	245.6	245.5	246.0	246.0	245.9	245.5
7°	245.1	245.2	245.8	245.7	245.6	245.3
7.5°	244.8	245.1	245.5	245.3	245.3	245.2
8°	244.4	244.7	245.0	244.9	244.9	244.8
8.5°	244.0	244.2	244.5	244.6	244.4	243.9
9°	243.5	243.8	244.2	244.2	243.9	243.3
9.5°	243.0	243.3	243.8	243.7	243.6	243.1
10°	242.5	242.8	243.3	243.2	243.2	242.8
10.5°	242.0	242.3	242.9	242.7	242.6	242.2
11°	241.4	241.7	242.4	242.3	241.9	241.5
11.5°	240.9	241.1	241.8	241.8	241.3	240.9
12°	240.2	240.7	241.2	241.2	240.8	240.3
12.5°	239.4	240.0	240.7	240.5	240.2	239.7
13°	238.8	239.3	240.0	239.7	239.6	238.9
13.5°	238.2	238.6	239.4	239.1	238.8	238.2
14°	237.6	238.0	238.8	238.6	238.1	237.7
14.5°	236.9	237.1	238.0	238.0	237.4	237.0
15°	236.1	236.4	237.2	237.1	236.7	236.1
15.5°	235.0	235.8	236.5	236.3	235.8	235.1
16°	234.2	235.0	235.8	235.6	235.1	234.2
16.5°	233.5	233.9	235.0	234.8	234.4	233.7
17°	232.8	233.1	234.1	233.9	233.4	232.9
17.5°	231.8	232.4	233.3	233.1	232.5	231.9
18°	230.9	231.6	232.5	232.2	231.6	230.8
18.5°	229.8	230.5	231.6	231.3	230.7	229.9
19°	228.9	229.6	230.6	230.4	229.7	229.1
19.5°	227.9	228.6	229.6	229.3	228.8	228.0
20°	226.9	227.6	228.7	228.4	228.0	227.1
20.5°	225.9	226.5	227.9	227.5	226.8	226.1
21°	224.9	225.5	226.7	226.4	225.7	225.0
21.5°	223.8	224.5	225.7	225.4	224.8	223.9
22°	222.6	223.5	224.5	224.4	223.8	222.7

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

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	221.4	222.3	223.5	223.3	222.6	221.6
23°	220.5	221.3	222.5	222.1	221.5	220.5
23.5°	219.3	220.2	221.4	221.0	220.4	219.4
24°	218.1	218.8	220.2	219.9	219.1	218.2
24.5°	216.9	217.7	218.9	218.8	217.9	217.0
25°	215.6	216.7	217.8	217.5	216.7	215.7
25.5°	214.3	215.2	216.7	216.3	215.7	214.4
26°	212.9	213.9	215.6	215.2	214.5	213.3
26.5°	211.8	212.8	214.3	213.9	213.0	212.1
27°	210.7	211.6	212.8	212.5	211.6	210.7
27.5°	209.4	210.1	211.6	211.2	210.5	209.4
28°	208.0	208.8	210.4	210.0	209.2	208.1
28.5°	206.6	207.6	209.1	208.8	207.8	206.6
29°	205.2	206.3	207.7	207.3	206.5	205.3
29.5°	203.8	204.9	206.4	205.8	205.2	203.9
30°	202.5	203.4	205.0	204.5	203.7	202.5
30.5°	200.9	202.0	203.6	203.1	202.3	201.1
31°	199.5	200.7	202.2	201.8	200.9	199.7
31.5°	198.0	199.3	200.8	200.5	199.5	198.2
32°	196.7	197.8	199.2	198.9	198.2	196.8
32.5°	195.3	196.3	197.8	197.3	196.7	195.3
33°	193.7	194.8	196.5	195.9	195.0	193.8
33.5°	192.2	193.3	195.0	194.6	193.5	192.4
34°	190.7	191.9	193.3	193.1	192.1	190.9
34.5°	189.1	190.3	191.8	191.6	190.7	189.3
35°	187.5	188.8	190.5	189.9	189.0	187.7
35.5°	186.0	187.2	188.9	188.2	187.3	186.2
36°	184.5	185.5	187.4	186.8	185.9	184.7
36.5°	182.9	184.1	185.8	185.3	184.4	183.1
37°	181.3	182.6	184.2	183.7	182.8	181.4
37.5°	179.7	180.8	182.5	182.1	181.1	179.7
38°	178.0	179.2	180.9	180.4	179.6	178.1
38.5°	176.2	177.7	179.3	178.8	178.0	176.6
39°	174.6	176.0	177.8	177.1	176.3	174.9
39.5°	173.3	174.3	176.0	175.5	174.6	173.3
40°	171.4	172.7	174.4	173.9	173.0	171.7
40.5°	169.6	171.0	172.8	172.3	171.2	170.0
41°	167.8	169.3	171.0	170.4	169.6	168.0
41.5°	166.2	167.6	169.3	168.7	168.0	166.4
42°	164.6	165.9	167.6	167.1	166.2	164.8
42.5°	162.8	164.1	166.0	165.4	164.5	163.2
43°	161.1	162.4	164.2	163.7	162.7	161.4
43.5°	159.4	160.8	162.5	162.0	160.9	159.6
44°	157.5	159.0	160.8	160.2	159.2	157.9
44.5°	155.7	157.1	159.1	158.4	157.5	156.2

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

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	154.0	155.4	157.2	156.7	155.8	154.4
45.5°	152.2	153.6	155.4	155.0	154.0	152.7
46°	150.5	151.9	153.8	153.2	152.2	150.9
46.5°	148.8	150.1	152.0	151.4	150.4	149.1
47°	147.0	148.2	150.1	149.6	148.6	147.3
47.5°	145.2	146.5	148.4	147.8	146.7	145.5
48°	143.4	144.6	146.5	146.0	145.0	143.7
48.5°	141.5	142.8	144.8	144.3	143.2	141.9
49°	139.7	141.0	143.1	142.5	141.4	140.3
49.5°	137.9	139.2	141.3	140.7	139.5	138.5
50°	136.2	137.3	139.4	139.0	137.8	136.6
50.5°	134.3	135.6	137.6	137.0	136.0	134.7
51°	132.5	133.8	135.7	135.2	134.2	132.9
51.5°	130.6	131.9	133.9	133.3	132.4	131.2
52°	128.7	130.0	132.1	131.6	130.6	129.3
52.5°	127.0	128.3	130.3	129.7	128.8	127.5
53°	125.2	126.6	128.4	127.9	127.0	125.7
53.5°	123.3	124.7	126.5	126.0	125.1	123.8
54°	121.3	122.7	124.7	124.2	123.3	121.9
54.5°	119.5	121.1	122.8	122.4	121.5	120.0
55°	117.7	119.2	121.0	120.5	119.7	118.2
55.5°	115.8	117.3	119.1	118.6	117.8	116.4
56°	113.9	115.4	117.3	116.8	115.9	114.5
56.5°	112.0	113.5	115.4	114.9	114.1	112.6
57°	110.1	111.7	113.5	113.0	112.2	110.7
57.5°	108.2	109.9	111.6	111.2	110.4	108.9
58°	106.3	108.0	109.7	109.2	108.6	107.0
58.5°	104.4	106.0	107.9	107.3	106.6	105.2
59°	102.5	104.1	106.0	105.5	104.7	103.3
59.5°	100.7	102.3	104.1	103.6	102.8	101.4
60°	98.8	100.4	102.2	101.7	100.9	99.5
60.5°	96.9	98.5	100.3	99.9	99.1	97.6
61°	95.0	96.6	98.4	98.0	97.2	95.7
61.5°	93.1	94.6	96.5	96.0	95.3	93.9
62°	91.3	92.8	94.6	94.1	93.3	92.0
62.5°	89.4	90.9	92.7	92.3	91.5	90.1
63°	87.4	88.9	90.8	90.3	89.5	88.2
63.5°	85.6	87.0	88.8	88.4	87.6	86.3
64°	83.7	85.0	86.9	86.4	85.7	84.4
64.5°	81.8	83.1	85.0	84.5	83.8	82.6
65°	79.9	81.3	83.1	82.6	81.9	80.7
65.5°	78.0	79.3	81.2	80.7	80.0	78.8
66°	76.1	77.4	79.2	78.8	78.0	76.9
66.5°	74.3	75.5	77.3	76.9	76.1	75.0
67°	72.4	73.6	75.4	75.0	74.3	73.1

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

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	70.4	71.7	73.5	73.1	72.4	71.2
68°	68.6	69.8	71.6	71.1	70.5	69.4
68.5°	66.7	67.9	69.7	69.2	68.6	67.5
69°	64.8	66.0	67.8	67.4	66.7	65.7
69.5°	62.9	64.1	65.9	65.5	64.8	63.8
70°	61.1	62.2	64.0	63.6	62.9	62.0
70.5°	59.3	60.4	62.2	61.7	61.1	60.1
71°	57.4	58.5	60.3	59.9	59.2	58.3
71.5°	55.6	56.6	58.5	58.1	57.3	56.5
72°	53.8	54.8	56.7	56.2	55.4	54.7
72.5°	51.9	53.0	54.8	54.4	53.6	52.9
73°	50.1	51.1	53.0	52.6	51.8	51.1
73.5°	48.3	49.3	51.2	50.8	50.0	49.3
74°	46.5	47.5	49.4	49.0	48.1	47.5
74.5°	44.7	45.7	47.6	47.2	46.4	45.7
75°	43.0	44.0	45.8	45.3	44.6	44.0
75.5°	41.2	42.1	44.0	43.6	42.8	42.3
76°	39.4	40.3	42.2	41.8	41.0	40.5
76.5°	37.7	38.6	40.4	40.1	39.3	38.7
77°	36.0	36.9	38.7	38.3	37.5	37.0
77.5°	34.3	35.7	36.9	36.6	35.8	35.5
78°	32.5	33.9	35.2	34.9	34.2	33.8
78.5°	30.8	32.1	33.5	33.2	32.5	32.1
79°	29.2	30.3	31.8	31.5	30.8	30.4
79.5°	27.5	28.5	30.1	29.8	29.1	28.7
80°	25.9	26.8	28.4	28.1	27.5	27.0
80.5°	24.3	25.2	26.8	26.4	25.8	25.4
81°	22.7	23.6	25.2	24.9	24.2	23.8
81.5°	21.1	21.9	23.5	23.2	22.6	22.2
82°	19.5	20.3	21.9	21.6	21.0	20.6
82.5°	17.9	18.8	20.3	20.0	19.5	19.0
83°	16.4	17.2	18.8	18.5	17.9	17.5
83.5°	14.9	15.7	17.2	16.9	16.4	16.0
84°	13.3	14.2	15.7	15.4	14.9	14.4
84.5°	11.9	12.8	14.2	13.9	13.4	13.0
85°	10.5	11.3	12.7	12.4	11.9	11.5
85.5°	9.0	9.8	11.2	11.0	10.5	10.0
86°	7.6	8.4	9.8	9.5	9.0	8.6
86.5°	6.2	7.1	8.4	8.1	7.7	7.2
87°	4.8	5.7	7.0	6.8	6.3	5.9
87.5°	3.5	4.4	5.6	5.4	5.0	4.5
88°	2.2	3.1	4.3	4.1	3.7	3.2
88.5°	1.0	1.8	3.5	3.1	2.8	2.4
89°	0.2	1.4	2.6	2.1	1.9	1.6
89.5°	0.0	1.1	1.8	1.1	1.0	0.8

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

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

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°	0.1	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	0.1	0.0	0.1	0.1
105°	0.1	0.1	0.1	0.1	0.1	0.1
105.5°	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.1	0.1	0.1	0.1	0.1	0.1
108.5°	0.1	0.1	0.1	0.1	0.1	0.1
109°	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-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	0.2	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: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

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°	0.2	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	0.2	0.1	0.1	0.1
155.5°	0.3	0.2	0.2	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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

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	0.2	0.1	0.1
160.5°	0.3	0.2	0.2	0.2	0.1	0.1
161°	0.3	0.2	0.2	0.2	0.2	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	0.2
165°	0.3	0.2	0.2	0.2	0.2	0.2
165.5°	0.3	0.2	0.2	0.2	0.2	0.2
166°	0.3	0.2	0.2	0.2	0.2	0.2
166.5°	0.3	0.2	0.2	0.2	0.2	0.2
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°	0.4	0.3	0.2	0.2	0.2	0.2
169°	0.4	0.3	0.2	0.2	0.2	0.2
169.5°	0.4	0.3	0.2	0.2	0.2	0.2
170°	0.3	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: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CANDELA DISTRIBUTION (continued):

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

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TEST NUMBER: P1596596
CATALOG NUMBER: HLB2LSFS5-MED-4000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	29.35	30.97	29.71	31.29	31.60	28.98	30.60	29.34	30.92	31.23
	3H	31.14	32.61	31.52	32.94	33.30	30.72	32.18	31.10	32.51	32.88
	4H	31.83	33.21	32.23	33.56	33.93	31.36	32.74	31.76	33.09	33.47
	6H	32.35	33.63	32.76	33.99	34.38	31.82	33.10	32.23	33.46	33.86
	8H	32.52	33.74	32.94	34.13	34.53	31.95	33.18	32.38	33.57	33.97
	12H	32.59	33.76	33.02	34.14	34.58	32.00	33.17	32.43	33.56	33.99
4H	2H	29.97	31.35	30.37	31.70	32.08	29.61	30.99	30.01	31.34	31.71
	3H	31.99	33.15	32.40	33.55	33.95	31.56	32.72	31.97	33.12	33.52
	4H	32.81	33.85	33.24	34.27	34.71	32.33	33.37	32.76	33.79	34.23
	6H	33.46	34.37	33.91	34.81	35.27	32.91	33.82	33.36	34.27	34.72
	8H	33.68	34.53	34.14	34.98	35.44	33.09	33.94	33.55	34.39	34.85
	12H	33.81	34.58	34.29	35.06	35.53	33.18	33.95	33.66	34.43	34.90
8H	4H	33.12	33.98	33.59	34.42	34.89	32.64	33.49	33.10	33.93	34.40
	6H	33.90	34.61	34.40	35.10	35.58	33.33	34.04	33.83	34.53	35.01
	8H	34.20	34.84	34.71	35.34	35.83	33.57	34.21	34.08	34.72	35.21
	12H	34.41	34.97	34.92	35.47	36.03	33.73	34.29	34.24	34.79	35.35
12H	4H	33.16	33.93	33.64	34.41	34.88	32.67	33.44	33.15	33.91	34.39
	6H	33.96	34.60	34.47	35.11	35.60	33.38	34.02	33.89	34.53	35.02
	8H	34.32	34.88	34.83	35.37	35.94	33.68	34.24	34.19	34.74	35.30

END OF REPORT