Signify Classified - Internal

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

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P1596593

Luminaire Tested: HLB2LSFS5-MED-2700K

Issue Date: 10/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1596593
	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-2700K
Description:	HLB2 2" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	2700K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

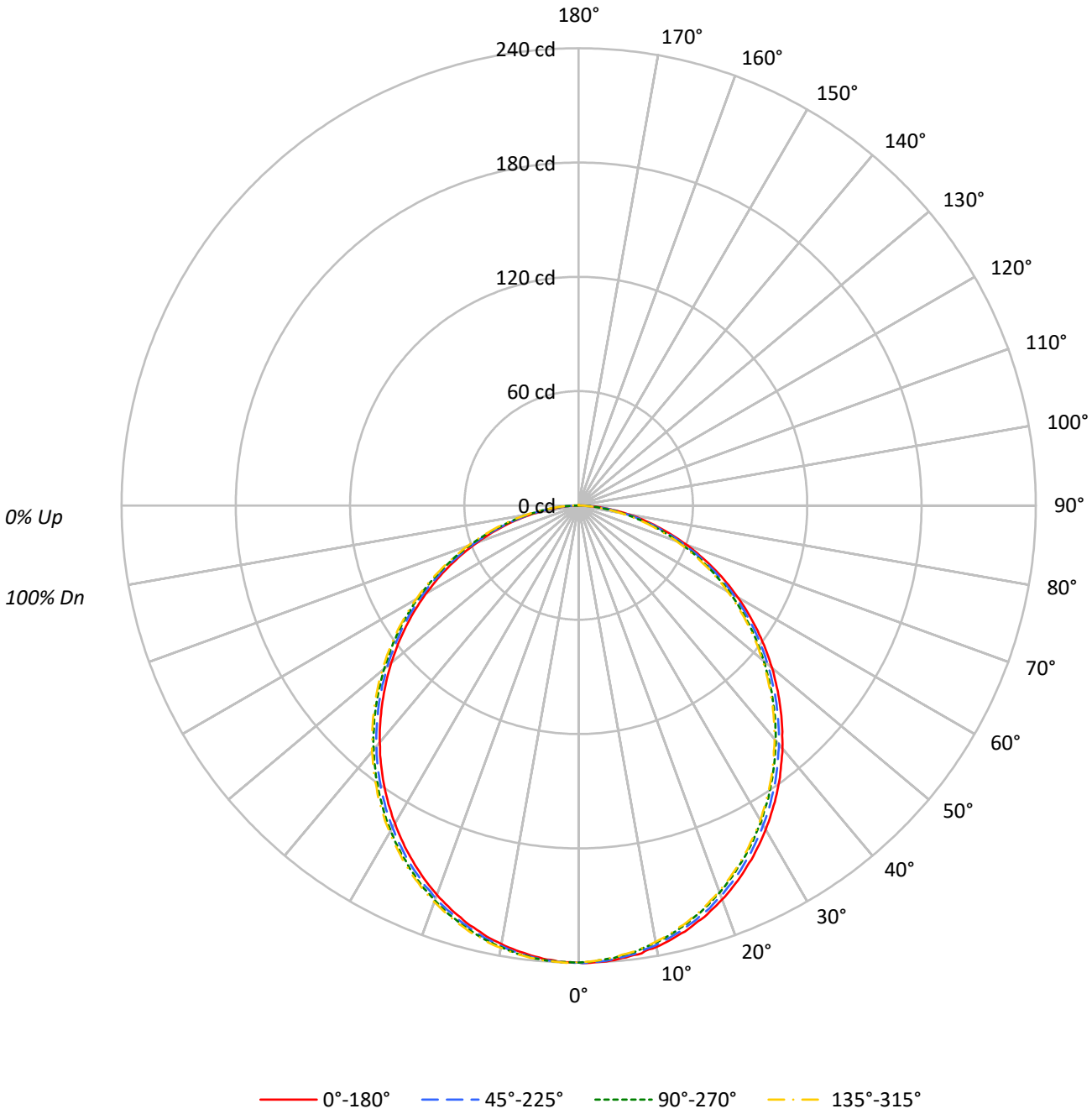
Lumens per Lamp:	N/A
Luminaire Lumens:	640.0 lumens
Efficiency:	N/A
Efficacy:	94.1 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.32
Luminous Opening:	Rectangular (W 0.12' x L: 0.12' x H: 0')
CIE Type:	Direct
Input Watts (W):	6.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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°	165334	165334	165334	165334
5°	165274	164444	164721	165274
10°	164666	163058	163477	164666
15°	163250	161039	161823	163535
20°	161429	158570	159450	161796
25°	158938	155594	156582	159698
30°	156229	152411	153286	156865
35°	153058	148601	149947	153983
40°	149731	144785	146044	150540
45°	145843	140485	141849	146720
50°	142003	135895	137502	142754
55°	137760	131394	132835	138841
60°	132956	126205	127445	134058
65°	127470	119972	121276	128448
70°	121052	112190	113801	121657
75°	113387	102740	104337	113387
80°	103940	90055	91641	103146
85°	87736	67976	67185	86155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
Vertical Angle: 45°
Luminance: 148474 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	3.5
10°-20°	64.2	10.0
20°-30°	95.6	14.9
30°-40°	112.6	17.6
40°-50°	113.8	17.8
50°-60°	100.6	15.7
60°-70°	75.5	11.8
70°-80°	43.2	6.7
80°-90°	11.4	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°	182.4	28.5
0°-40°	295.0	46.1
0°-60°	509.4	79.6
0°-90°	639.4	99.9
90°-120°	0.2	0.0
90°-150°	0.4	0.1
90°-180°	1.0	0.2
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	240	240	240	240	240	
5°	239	238	238	239	239	23
15°	229	226	227	229	229	65
25°	209	205	206	210	209	96
35°	182	177	178	183	182	114
45°	150	144	146	151	150	115
55°	115	109	111	116	115	102
65°	78	74	74	79	78	77
75°	43	39	39	43	43	45
85°	11	9	8	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°	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0
0.5°	240.2	240.2	240.3	240.1	239.8	239.6	239.9	239.8	240.0	240.2	240.1
1°	240.2	240.4	240.1	239.9	239.7	239.5	239.6	239.8	239.9	240.3	240.0
1.5°	240.2	240.2	239.8	239.8	239.6	239.3	239.4	239.7	239.9	240.1	240.1
2°	240.0	239.9	239.7	239.8	239.4	239.1	239.3	239.4	239.8	239.8	240.0
2.5°	239.9	239.9	239.7	239.7	239.1	239.0	239.0	239.2	239.7	239.6	239.8
3°	239.8	239.8	239.6	239.4	238.9	238.7	238.7	239.1	239.3	239.5	239.8
3.5°	239.8	239.5	239.4	238.9	238.5	238.5	238.4	238.9	239.0	239.6	239.5
4°	239.6	239.2	239.1	238.8	238.4	238.3	238.3	238.5	239.0	239.4	239.3
4.5°	239.4	239.1	238.8	238.7	238.3	237.9	238.1	238.0	238.7	239.0	239.1
5°	239.0	239.0	238.5	238.5	237.8	237.3	237.6	237.7	238.2	238.6	238.9
5.5°	238.7	238.6	238.2	237.9	237.4	237.0	237.0	237.6	238.0	238.3	238.6
6°	238.5	238.0	237.8	237.5	236.9	236.7	236.7	237.2	237.6	238.0	238.3
6.5°	238.1	237.8	237.5	237.2	236.6	236.2	236.4	236.7	237.1	237.7	238.0
7°	237.8	237.7	237.3	236.8	236.3	235.7	236.0	236.4	236.6	237.2	237.5
7.5°	237.8	237.2	236.9	236.4	235.9	235.2	235.4	235.8	236.3	236.8	237.1
8°	237.4	236.6	236.2	235.8	235.2	234.8	234.9	235.4	235.9	236.4	236.8
8.5°	236.5	236.3	235.6	235.3	234.5	234.1	234.5	234.8	235.4	236.0	236.4
9°	236.0	235.8	235.2	234.9	234.1	233.7	233.9	234.2	235.0	235.5	235.9
9.5°	235.8	235.2	234.9	234.4	233.6	233.1	233.2	233.7	234.4	234.9	235.3
10°	235.4	234.7	234.4	233.8	233.1	232.3	232.6	233.2	233.7	234.3	234.8
10.5°	234.8	234.3	233.6	233.0	232.5	231.7	232.0	232.4	233.1	233.8	234.3
11°	234.2	233.7	232.9	232.5	231.9	231.1	231.4	231.8	232.6	233.2	233.8
11.5°	233.6	233.1	232.3	232.0	231.2	230.4	230.7	231.2	232.0	232.6	233.0
12°	233.0	232.4	231.8	231.3	230.4	229.6	230.0	230.5	231.4	231.9	232.6
12.5°	232.4	231.7	231.0	230.5	229.7	228.8	229.2	229.8	230.6	231.3	231.9
13°	231.7	231.2	230.4	229.7	229.0	228.1	228.4	229.1	229.8	230.7	231.2
13.5°	231.0	230.5	229.8	229.0	228.2	227.5	227.5	228.3	229.1	229.9	230.5
14°	230.5	229.8	228.9	228.3	227.5	226.7	226.9	227.4	228.3	229.0	229.9
14.5°	229.8	229.0	228.0	227.6	226.7	225.6	226.2	226.6	227.7	228.3	229.0
15°	228.9	228.2	227.3	226.7	225.8	224.7	225.2	225.9	226.9	227.6	228.2
15.5°	228.0	227.5	226.6	225.8	224.8	224.0	224.3	225.2	226.0	226.8	227.5
16°	227.1	226.6	225.7	224.9	224.0	223.2	223.4	224.2	225.0	225.9	226.7
16.5°	226.6	225.7	224.7	224.0	223.3	222.2	222.6	223.3	224.2	225.0	225.8
17°	225.8	224.8	223.8	223.2	222.3	221.2	221.7	222.3	223.3	224.2	224.8
17.5°	224.9	223.9	223.2	222.4	221.3	220.3	220.7	221.4	222.4	223.4	224.0
18°	223.8	223.1	222.3	221.4	220.4	219.4	219.6	220.6	221.3	222.5	223.2
18.5°	223.0	222.1	221.2	220.4	219.4	218.2	218.5	219.5	220.4	221.5	222.3
19°	222.1	221.2	220.1	219.4	218.3	217.2	217.7	218.5	219.5	220.3	221.4
19.5°	221.1	220.1	219.1	218.4	217.2	216.2	216.7	217.5	218.6	219.4	220.4
20°	220.2	219.2	218.2	217.3	216.3	215.1	215.5	216.5	217.5	218.5	219.4
20.5°	219.2	218.3	217.2	216.2	215.2	214.0	214.4	215.3	216.4	217.5	218.3
21°	218.2	217.1	216.0	215.3	214.1	212.9	213.4	214.3	215.3	216.5	217.1
21.5°	217.1	216.2	214.9	214.2	212.9	211.9	212.3	213.0	214.3	215.3	216.2
22°	216.0	215.0	213.9	212.9	211.8	210.7	211.1	212.0	213.2	214.1	215.3

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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°	214.9	*213.8*	212.9	211.7	210.8	209.4	209.9	210.9	212.1	213.1	214.1
23°	213.9	*212.7*	211.7	210.7	209.6	208.2	208.8	209.7	210.8	212.0	212.9
23.5°	212.7	*211.7*	210.5	209.5	208.3	207.1	207.6	208.5	209.6	210.8	211.7
24°	211.6	*210.6*	209.4	208.4	207.0	205.9	206.4	207.3	208.4	209.6	210.7
24.5°	210.4	*209.3*	208.1	207.3	205.9	204.7	205.2	206.0	207.4	208.5	209.5
25°	209.1	*208.1*	206.7	206.0	204.7	203.5	203.8	204.9	206.0	207.3	208.3
25.5°	207.9	*206.8*	205.6	204.7	203.5	202.3	202.6	203.6	204.7	206.1	207.1
26°	206.9	*205.7*	204.5	203.5	202.1	200.9	201.5	202.3	203.5	204.6	205.9
26.5°	205.7	*204.4*	203.2	202.1	200.8	199.5	200.1	201.0	202.3	203.5	204.6
27°	204.3	*203.0*	201.7	200.8	199.7	198.2	198.7	199.8	201.0	202.5	203.3
27.5°	203.0	*201.9*	200.4	199.7	198.4	196.9	197.4	198.4	199.6	201.0	201.9
28°	201.8	*200.6*	199.1	198.4	196.8	195.5	196.2	197.0	198.3	199.5	200.8
28.5°	200.4	*199.3*	197.9	196.8	195.4	194.2	194.9	195.7	197.0	198.2	199.6
29°	199.0	*197.9*	196.6	195.5	194.1	192.9	193.4	194.4	195.7	197.0	198.3
29.5°	197.7	*196.4*	195.2	194.3	192.9	191.5	191.9	193.1	194.3	195.7	196.7
30°	196.4	*195.1*	193.7	192.9	191.6	190.0	190.7	191.8	192.7	194.2	195.4
30.5°	195.0	*193.8*	192.4	191.4	190.1	188.6	189.3	190.2	191.5	192.9	194.1
31°	193.7	*192.4*	191.0	190.0	188.5	187.2	187.8	188.7	190.2	191.5	192.7
31.5°	192.2	*191.1*	189.6	188.7	187.0	185.9	186.3	187.3	188.6	190.0	191.1
32°	190.8	*189.7*	188.2	187.1	185.6	184.3	184.9	185.9	187.2	188.5	189.8
32.5°	189.4	*188.1*	186.8	185.6	184.3	182.8	183.4	184.4	185.8	187.2	188.5
33°	187.9	*186.6*	185.2	184.2	182.9	181.3	181.9	182.9	184.3	185.7	186.9
33.5°	186.6	*185.2*	183.7	182.8	181.2	179.9	180.4	181.4	182.9	184.2	185.4
34°	185.1	*183.7*	182.3	181.4	179.7	178.3	178.9	179.8	181.3	182.7	183.9
34.5°	183.6	*182.3*	180.9	179.8	178.2	176.7	177.4	178.3	179.8	181.2	182.5
35°	182.0	*180.7*	179.3	178.2	176.7	175.3	175.9	176.9	178.3	179.6	181.1
35.5°	180.5	*179.2*	177.8	176.6	175.2	173.8	174.4	175.4	176.8	178.2	179.4
36°	179.1	*177.6*	176.2	175.0	173.7	172.1	172.8	173.8	175.2	176.7	177.8
36.5°	177.6	*176.1*	174.7	173.6	172.1	170.5	171.3	172.2	173.6	175.1	176.2
37°	175.9	*174.6*	173.1	172.2	170.6	169.0	169.6	170.6	172.0	173.5	174.8
37.5°	174.3	*173.1*	171.5	170.6	169.0	167.5	168.1	169.1	170.5	171.9	173.2
38°	172.7	*171.5*	169.9	168.8	167.3	165.9	166.4	167.5	169.0	170.3	171.7
38.5°	171.2	*169.8*	168.3	167.2	165.7	164.1	164.7	165.9	167.4	168.8	170.0
39°	169.6	*168.2*	166.7	165.8	164.1	162.5	163.2	164.3	165.7	167.2	168.5
39.5°	168.1	*166.6*	165.2	164.1	162.6	160.9	161.7	162.7	164.0	165.5	166.8
40°	166.5	*164.9*	163.6	162.4	161.0	159.4	160.0	161.0	162.4	163.9	165.1
40.5°	164.8	*163.4*	161.9	160.7	159.3	157.8	158.3	159.3	160.8	162.2	163.4
41°	163.0	*161.7*	160.3	159.1	157.6	156.0	156.6	157.6	159.1	160.6	161.9
41.5°	161.3	*160.2*	158.7	157.5	156.0	154.4	154.9	156.0	157.5	158.8	160.3
42°	159.8	*158.3*	157.0	155.8	154.4	152.7	153.3	154.4	155.8	157.2	158.6
42.5°	158.2	*156.6*	155.2	154.2	152.7	151.1	151.7	152.7	154.2	155.7	156.8
43°	156.5	*155.0*	153.6	152.6	151.0	149.4	150.0	150.9	152.4	153.9	155.2
43.5°	154.7	*153.4*	151.9	150.9	149.3	147.7	148.3	149.2	150.7	152.1	153.4
44°	153.1	*151.7*	150.2	149.2	147.5	145.9	146.6	147.5	149.1	150.3	151.8
44.5°	151.5	*149.9*	148.4	147.4	145.8	144.3	144.8	145.8	147.3	148.7	150.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	149.7	148.2	146.8	145.7	144.2	142.5	143.1	144.2	145.6	147.1	148.4
45.5°	148.1	146.5	145.1	143.9	142.5	140.8	141.5	142.5	143.8	145.3	146.7
46°	146.3	144.8	143.4	142.3	140.8	139.1	139.8	140.7	142.2	143.5	144.9
46.5°	144.6	143.1	141.6	140.6	139.0	137.4	138.0	138.9	140.4	141.8	143.1
47°	142.9	141.4	139.8	138.9	137.3	135.7	136.3	137.2	138.8	140.0	141.5
47.5°	141.1	139.7	138.1	137.1	135.5	134.0	134.6	135.4	137.0	138.3	139.8
48°	139.3	137.9	136.4	135.5	133.7	132.2	132.8	133.8	135.3	136.5	137.9
48.5°	137.6	136.1	134.7	133.7	132.0	130.5	131.1	132.0	133.5	134.9	136.1
49°	136.0	134.3	133.0	132.0	130.4	128.7	129.3	130.2	131.8	133.1	134.4
49.5°	134.3	132.7	131.2	130.3	128.6	127.0	127.7	128.4	130.1	131.5	132.7
50°	132.5	131.0	129.5	128.6	126.8	125.2	125.9	126.6	128.3	129.6	130.9
50.5°	130.6	129.3	127.7	126.9	125.1	123.5	124.1	125.0	126.6	127.7	129.2
51°	128.9	127.4	126.0	125.1	123.4	121.7	122.3	123.3	124.7	126.0	127.4
51.5°	127.2	125.7	124.3	123.1	121.7	120.0	120.6	121.6	123.0	124.4	125.6
52°	125.4	124.0	122.5	121.4	119.9	118.2	118.9	119.8	121.2	122.7	123.8
52.5°	123.7	122.2	120.7	119.8	118.2	116.5	117.1	118.1	119.5	120.9	122.1
53°	121.9	120.4	119.0	118.0	116.4	114.7	115.3	116.3	117.6	119.1	120.4
53.5°	120.0	118.7	117.3	116.2	114.7	112.9	113.4	114.6	115.9	117.3	118.5
54°	118.2	116.9	115.5	114.4	112.9	111.1	111.6	112.9	114.1	115.5	116.7
54.5°	116.4	115.1	113.7	112.6	111.1	109.4	109.9	111.1	112.3	113.7	115.1
55°	114.7	113.4	112.0	110.9	109.4	107.5	108.2	109.2	110.6	112.0	113.3
55.5°	112.9	111.6	110.2	109.1	107.6	105.8	106.4	107.4	108.7	110.3	111.4
56°	111.0	109.7	108.4	107.3	105.9	104.0	104.7	105.6	106.9	108.4	109.5
56.5°	109.2	107.9	106.6	105.5	104.1	102.2	102.8	103.9	105.2	106.6	107.8
57°	107.4	106.2	104.9	103.8	102.4	100.4	101.0	102.1	103.4	104.7	106.1
57.5°	105.6	104.5	103.1	102.0	100.4	98.7	99.2	100.3	101.5	103.0	104.2
58°	103.8	102.6	101.4	100.1	98.7	96.8	97.4	98.5	99.7	101.2	102.4
58.5°	102.0	100.8	99.6	98.4	97.0	95.1	95.7	96.7	97.9	99.4	100.6
59°	100.2	99.0	97.8	96.5	95.2	93.3	93.9	94.9	96.1	97.6	98.8
59.5°	98.3	97.1	95.9	94.7	93.3	91.5	92.1	93.1	94.3	95.7	96.9
60°	96.5	95.4	94.1	92.9	91.6	89.7	90.3	91.3	92.5	93.9	95.1
60.5°	94.6	93.6	92.2	91.2	89.8	87.9	88.4	89.5	90.7	92.1	93.3
61°	92.8	91.7	90.5	89.4	88.0	86.1	86.6	87.7	88.8	90.3	91.5
61.5°	91.1	89.9	88.7	87.5	86.2	84.3	84.8	86.0	87.1	88.4	89.7
62°	89.2	88.1	86.8	85.8	84.4	82.5	83.1	84.0	85.3	86.7	87.8
62.5°	87.4	86.3	85.0	84.0	82.5	80.7	81.3	82.3	83.5	84.7	85.9
63°	85.5	84.4	83.2	82.2	80.7	78.9	79.4	80.5	81.7	82.9	84.0
63.5°	83.7	82.6	81.3	80.5	78.9	77.1	77.6	78.7	79.9	81.0	82.2
64°	81.9	80.7	79.6	78.6	77.1	75.3	75.8	76.8	78.0	79.2	80.4
64.5°	80.1	78.9	77.7	76.8	75.3	73.5	74.0	75.0	76.2	77.4	78.5
65°	78.2	77.1	75.9	75.0	73.6	71.6	72.2	73.2	74.4	75.6	76.7
65.5°	76.4	75.3	74.1	73.3	71.8	69.8	70.4	71.3	72.6	73.8	74.8
66°	74.5	73.4	72.3	71.5	70.0	68.0	68.6	69.5	70.8	72.0	73.0
66.5°	72.7	71.6	70.4	69.6	68.1	66.3	66.7	67.7	68.9	70.1	71.2
67°	70.9	69.7	68.7	67.9	66.3	64.5	64.9	66.0	67.1	68.2	69.3

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

Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	69.0	67.9	66.9	66.1	64.6	62.7	63.2	64.1	65.4	66.4	67.5
68°	67.3	66.2	65.0	64.3	62.8	60.9	61.4	62.3	63.6	64.6	65.6
68.5°	65.5	64.3	63.2	62.5	60.9	59.1	59.6	60.5	61.8	62.8	63.8
69°	63.7	62.5	61.5	60.8	59.2	57.4	57.9	58.7	60.0	61.0	62.0
69.5°	61.9	60.7	59.7	59.0	57.5	55.6	56.1	56.9	58.2	59.2	60.2
70°	60.1	59.0	57.9	57.2	55.7	53.9	54.4	55.2	56.5	57.4	58.4
70.5°	58.3	57.2	56.1	55.5	53.9	52.2	52.6	53.4	54.8	55.7	56.6
71°	56.5	55.4	54.4	53.8	52.1	50.4	50.9	51.7	53.0	53.9	54.9
71.5°	54.8	53.7	52.7	52.0	50.5	48.7	49.2	50.0	51.2	52.1	53.0
72°	53.0	51.9	50.9	50.3	48.7	47.0	47.5	48.2	49.5	50.3	51.3
72.5°	51.3	50.2	49.2	48.6	47.1	45.3	45.7	46.4	47.8	48.6	49.5
73°	49.5	48.5	47.5	46.9	45.3	43.6	44.0	44.7	46.0	46.9	47.8
73.5°	47.8	46.8	45.8	45.2	43.6	41.9	42.3	43.0	44.3	45.2	46.1
74°	46.1	45.1	44.1	43.5	41.9	40.3	40.7	41.3	42.6	43.4	44.3
74.5°	44.4	43.3	42.4	41.8	40.3	38.6	39.1	39.6	40.9	41.8	42.6
75°	42.6	41.7	40.8	40.2	38.6	37.0	37.4	38.0	39.2	40.1	41.0
75.5°	41.0	40.1	39.1	38.6	36.9	35.3	35.7	36.3	37.6	38.4	39.3
76°	39.3	38.3	37.4	36.9	35.3	33.7	34.1	34.6	35.9	36.7	37.5
76.5°	37.6	36.7	35.8	35.3	33.7	32.1	32.5	33.0	34.3	35.1	35.8
77°	35.9	35.1	34.7	33.7	32.0	30.5	30.9	31.4	32.6	33.4	34.3
77.5°	34.4	33.5	32.9	32.1	30.4	28.9	29.3	29.8	31.0	31.8	32.6
78°	32.7	31.9	31.2	30.5	28.9	27.3	27.7	28.2	29.4	30.2	30.9
78.5°	31.1	30.3	29.5	28.9	27.3	25.8	26.1	26.7	27.8	28.6	29.3
79°	29.4	28.7	27.8	27.3	25.7	24.2	24.6	25.1	26.2	27.0	27.7
79.5°	27.8	27.0	26.3	25.8	24.2	22.7	23.1	23.5	24.7	25.4	26.2
80°	26.2	25.5	24.7	24.2	22.7	21.2	21.5	22.0	23.1	23.9	24.6
80.5°	24.6	23.9	23.2	22.7	21.2	19.8	20.0	20.5	21.6	22.3	23.0
81°	23.1	22.4	21.7	21.1	19.7	18.3	18.5	19.0	20.0	20.8	21.5
81.5°	21.5	20.9	20.2	19.7	18.3	16.8	17.1	17.6	18.6	19.2	19.9
82°	20.0	19.3	18.7	18.2	16.8	15.4	15.6	16.1	17.1	17.8	18.4
82.5°	18.5	17.9	17.2	16.7	15.3	14.0	14.2	14.6	15.6	16.3	16.9
83°	16.9	16.4	15.8	15.2	13.9	12.6	12.8	13.3	14.1	14.8	15.5
83.5°	15.5	14.9	14.3	13.9	12.6	11.2	11.4	11.9	12.7	13.4	14.0
84°	14.0	13.5	12.9	12.4	11.2	9.9	10.1	10.5	11.3	11.9	12.6
84.5°	12.6	12.1	11.5	11.0	9.9	8.5	8.8	9.2	9.9	10.6	11.1
85°	11.1	10.7	10.2	9.7	8.6	7.2	7.4	7.9	8.5	9.2	9.8
85.5°	9.7	9.3	8.8	8.3	7.3	5.9	6.1	6.5	7.2	7.8	8.4
86°	8.4	8.0	7.5	7.0	6.0	4.6	4.8	5.2	5.8	6.5	7.1
86.5°	7.0	6.7	6.2	5.7	4.7	3.4	3.5	3.9	4.5	5.1	5.7
87°	5.7	5.3	4.9	4.4	3.4	2.2	2.3	2.7	3.2	3.8	4.3
87.5°	4.4	4.0	3.6	3.2	2.3	1.1	1.2	1.5	2.0	2.5	3.1
88°	3.1	3.2	2.7	2.4	1.2	0.4	0.4	0.6	0.9	1.3	1.8
88.5°	2.4	2.4	1.8	1.6	0.4	0.1	0.1	0.1	0.2	0.4	0.8
89°	1.6	1.6	1.0	0.8	0.1	0.0	0.0	0.0	0.0	0.1	0.1
89.5°	0.8	0.8	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: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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	0.0	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	0.1	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	0.0	0.1	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	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	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	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	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
104.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
105°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
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	0.0	0.1
107°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
107.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
108°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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	0.2	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
138.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	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	0.1	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	0.1
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	0.1	0.1	0.2
142°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
142.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2
143°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	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: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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	0.3	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	0.2	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°	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2
167.5°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
168°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
168.5°	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2
169°	0.1	0.1	0.1	0.1	0.3	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°	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
170.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
171°	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2
171.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
172°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
172.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
173°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
173.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174.5°	0.2	0.2	0.1	0.1	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
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	240.0	240.0	240.0	240.0	240.0	240.0
0.5°	240.1	240.0	240.0	239.8	240.2	240.2
1°	*240.2*	*239.9*	*239.9*	*239.9*	*240.2*	*240.2*
1.5°	240.2	239.8	240.0	240.2	240.0	240.2
2°	240.1	239.8	239.9	240.1	240.0	240.0
2.5°	239.9	239.9	240.0	239.9	240.1	239.9
3°	239.6	239.6	239.8	239.8	240.1	239.8
3.5°	239.6	239.6	239.8	239.7	239.6	239.8
4°	239.6	239.6	239.6	239.6	239.5	239.6
4.5°	239.4	239.2	239.6	239.5	239.5	239.4
5°	239.0	239.0	239.4	239.3	239.3	239.0
5.5°	238.5	238.9	239.0	238.9	239.0	238.7
6°	238.5	238.6	238.7	238.8	238.8	238.5
6.5°	238.2	238.1	238.6	238.5	238.4	238.1
7°	237.7	237.8	238.4	238.2	238.1	237.8
7.5°	237.3	237.7	238.0	237.9	237.8	237.8
8°	237.0	237.3	237.6	237.5	237.5	237.4
8.5°	236.6	236.8	237.1	237.2	237.0	236.5
9°	236.1	236.4	236.8	236.8	236.5	236.0
9.5°	235.7	235.9	236.4	236.3	236.2	235.8
10°	235.2	235.4	235.9	235.8	235.8	235.4
10.5°	234.6	235.0	235.5	235.4	235.2	234.8
11°	234.1	234.4	235.0	235.0	234.5	234.2
11.5°	233.6	233.8	234.5	234.5	233.9	233.6
12°	232.9	233.4	233.9	233.9	233.5	233.0
12.5°	232.1	232.7	233.4	233.2	232.9	232.4
13°	231.5	232.0	232.7	232.4	232.3	231.7
13.5°	231.0	231.4	232.1	231.9	231.6	231.0
14°	230.4	230.7	231.5	231.4	230.9	230.5
14.5°	229.7	230.0	230.8	230.8	230.2	229.8
15°	228.9	229.3	230.0	229.9	229.5	228.9
15.5°	227.9	228.7	229.4	229.1	228.6	228.0
16°	227.1	227.8	228.7	228.5	228.0	227.1
16.5°	226.5	226.8	227.9	227.6	227.3	226.6
17°	225.7	226.0	227.0	226.8	226.4	225.8
17.5°	224.8	225.4	226.3	226.0	225.5	224.9
18°	223.9	224.6	225.4	225.2	224.6	223.8
18.5°	222.9	223.5	224.6	224.3	223.7	223.0
19°	222.0	222.6	223.6	223.4	222.8	222.1
19.5°	221.0	221.6	222.7	222.4	221.9	221.1
20°	220.0	220.7	221.8	221.5	221.0	220.2
20.5°	219.1	219.7	221.0	220.6	219.9	219.2
21°	218.1	218.6	219.9	219.6	218.8	218.2
21.5°	217.0	217.7	218.8	218.6	218.0	217.1
22°	215.8	216.8	217.7	217.6	217.0	216.0

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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	214.7	215.6	216.7	216.6	215.8	214.9
23°	213.8	214.6	215.8	215.3	214.7	213.9
23.5°	212.7	213.5	214.7	214.3	213.7	212.7
24°	211.5	212.2	213.5	213.3	212.5	211.6
24.5°	210.3	211.1	212.3	212.2	211.3	210.4
25°	209.1	210.1	211.2	210.9	210.1	209.1
25.5°	207.8	208.7	210.1	209.8	209.2	207.9
26°	206.5	207.4	209.1	208.6	208.0	206.9
26.5°	205.4	206.4	207.8	207.4	206.5	205.7
27°	204.3	205.2	206.4	206.0	205.2	204.3
27.5°	203.1	203.8	205.2	204.8	204.1	203.0
28°	201.7	202.5	204.0	203.6	202.9	201.8
28.5°	200.3	201.4	202.7	202.4	201.5	200.4
29°	199.0	200.0	201.4	201.0	200.2	199.0
29.5°	197.7	198.7	200.1	199.6	199.0	197.7
30°	196.4	197.2	198.8	198.3	197.6	196.4
30.5°	194.8	195.9	197.4	196.9	196.2	195.0
31°	193.4	194.6	196.0	195.7	194.8	193.7
31.5°	192.0	193.3	194.7	194.4	193.5	192.2
32°	190.7	191.8	193.2	192.9	192.1	190.8
32.5°	189.3	190.4	191.9	191.4	190.7	189.4
33°	187.8	188.9	190.6	190.0	189.1	187.9
33.5°	186.3	187.5	189.1	188.7	187.6	186.6
34°	184.9	186.0	187.5	187.3	186.2	185.1
34.5°	183.4	184.5	186.0	185.8	184.9	183.6
35°	181.9	183.1	184.7	184.2	183.3	182.0
35.5°	180.4	181.5	183.2	182.5	181.7	180.5
36°	178.9	179.9	181.7	181.1	180.2	179.1
36.5°	177.3	178.5	180.1	179.7	178.9	177.6
37°	175.8	177.1	178.6	178.2	177.3	175.9
37.5°	174.3	175.3	177.0	176.6	175.6	174.3
38°	172.7	173.7	175.4	175.0	174.1	172.7
38.5°	170.8	172.3	173.9	173.4	172.6	171.2
39°	169.3	170.6	172.4	171.7	170.9	169.6
39.5°	168.0	169.0	170.7	170.2	169.3	168.1
40°	166.2	167.4	169.1	168.7	167.7	166.5
40.5°	164.4	165.9	167.5	167.0	166.1	164.8
41°	162.8	164.2	165.9	165.2	164.5	163.0
41.5°	161.2	162.6	164.2	163.6	162.9	161.3
42°	159.6	160.9	162.5	162.1	161.2	159.8
42.5°	157.9	159.1	161.0	160.4	159.5	158.2
43°	156.2	157.5	159.2	158.7	157.8	156.5
43.5°	154.5	155.9	157.6	157.1	156.0	154.7
44°	152.8	154.2	155.9	155.4	154.4	153.1
44.5°	151.0	152.4	154.2	153.6	152.7	151.5

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

Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	149.3	150.6	152.4	152.0	151.1	149.7
45.5°	147.6	149.0	150.7	150.3	149.4	148.1
46°	145.9	147.3	149.1	148.6	147.6	146.3
46.5°	144.2	145.5	147.4	146.8	145.8	144.6
47°	142.5	143.7	145.6	145.1	144.1	142.9
47.5°	140.8	142.0	143.9	143.3	142.3	141.1
48°	139.0	140.2	142.1	141.6	140.6	139.3
48.5°	137.3	138.5	140.4	139.9	138.9	137.6
49°	135.5	136.7	138.7	138.2	137.1	136.0
49.5°	133.8	135.0	137.0	136.4	135.3	134.3
50°	132.1	133.2	135.1	134.7	133.6	132.5
50.5°	130.3	131.5	133.4	132.9	131.9	130.6
51°	128.4	129.7	131.6	131.1	130.1	128.9
51.5°	126.6	127.9	129.9	129.3	128.4	127.2
52°	124.8	126.1	128.1	127.6	126.6	125.4
52.5°	123.1	124.5	126.4	125.8	124.9	123.7
53°	121.4	122.7	124.5	124.0	123.2	121.9
53.5°	119.5	120.9	122.7	122.2	121.3	120.0
54°	117.6	119.0	120.9	120.4	119.5	118.2
54.5°	115.9	117.4	119.1	118.7	117.8	116.4
55°	114.1	115.6	117.3	116.8	116.1	114.7
55.5°	112.3	113.7	115.5	115.0	114.3	112.9
56°	110.5	111.9	113.7	113.2	112.4	111.0
56.5°	108.6	110.1	111.9	111.4	110.6	109.2
57°	106.8	108.3	110.1	109.6	108.8	107.4
57.5°	104.9	106.6	108.2	107.8	107.1	105.6
58°	103.1	104.7	106.4	105.9	105.3	103.8
58.5°	101.3	102.8	104.6	104.1	103.4	102.0
59°	99.4	101.0	102.8	102.3	101.5	100.2
59.5°	97.7	99.2	101.0	100.5	99.7	98.3
60°	95.8	97.3	99.1	98.6	97.9	96.5
60.5°	94.0	95.5	97.3	96.8	96.1	94.6
61°	92.1	93.6	95.4	95.0	94.2	92.8
61.5°	90.3	91.8	93.6	93.1	92.4	91.1
62°	88.5	89.9	91.7	91.2	90.5	89.2
62.5°	86.7	88.1	89.9	89.5	88.7	87.4
63°	84.8	86.2	88.0	87.6	86.8	85.5
63.5°	83.0	84.3	86.1	85.8	84.9	83.7
64°	81.2	82.5	84.3	83.8	83.1	81.9
64.5°	79.3	80.6	82.4	82.0	81.3	80.1
65°	77.5	78.8	80.6	80.1	79.4	78.2
65.5°	75.6	76.9	78.7	78.3	77.6	76.4
66°	73.8	75.0	76.8	76.4	75.7	74.5
66.5°	72.0	73.2	75.0	74.5	73.8	72.7
67°	70.2	71.4	73.1	72.7	72.0	70.9

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

Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	68.3	69.6	71.3	70.9	70.2	69.0
68°	66.5	67.7	69.5	69.0	68.3	67.3
68.5°	64.7	65.8	67.6	67.1	66.5	65.5
69°	62.9	64.0	65.8	65.3	64.6	63.7
69.5°	61.0	62.2	63.9	63.6	62.8	61.9
70°	59.2	60.4	62.1	61.7	61.0	60.1
70.5°	57.5	58.5	60.3	59.9	59.2	58.3
71°	55.7	56.7	58.5	58.1	57.4	56.5
71.5°	53.9	54.9	56.7	56.3	55.6	54.8
72°	52.2	53.1	55.0	54.5	53.7	53.0
72.5°	50.4	51.4	53.1	52.7	52.0	51.3
73°	48.6	49.6	51.3	51.0	50.2	49.5
73.5°	46.8	47.8	49.6	49.2	48.5	47.8
74°	45.1	46.0	47.9	47.5	46.7	46.1
74.5°	43.3	44.3	46.1	45.7	45.0	44.4
75°	41.7	42.6	44.4	44.0	43.2	42.6
75.5°	40.0	40.9	42.6	42.3	41.5	41.0
76°	38.2	39.1	40.9	40.6	39.8	39.3
76.5°	36.5	37.5	39.2	38.9	38.1	37.6
77°	34.9	35.8	37.5	37.1	36.4	35.9
77.5°	33.2	34.6	35.8	35.5	34.7	34.4
78°	31.6	32.9	34.2	33.8	33.1	32.7
78.5°	29.9	31.1	32.5	32.2	31.5	31.1
79°	28.3	29.4	30.9	30.5	29.9	29.4
79.5°	26.7	27.6	29.2	28.9	28.3	27.8
80°	25.1	26.0	27.5	27.2	26.6	26.2
80.5°	23.6	24.4	25.9	25.6	25.0	24.6
81°	22.0	22.8	24.4	24.1	23.5	23.1
81.5°	20.4	21.3	22.8	22.5	21.9	21.5
82°	18.9	19.7	21.2	20.9	20.4	20.0
82.5°	17.4	18.2	19.7	19.4	18.9	18.5
83°	15.9	16.7	18.2	17.9	17.3	16.9
83.5°	14.4	15.2	16.7	16.4	15.9	15.5
84°	12.9	13.8	15.2	14.9	14.4	14.0
84.5°	11.5	12.4	13.7	13.5	13.0	12.6
85°	10.1	10.9	12.3	12.1	11.5	11.1
85.5°	8.8	9.5	10.9	10.6	10.2	9.7
86°	7.4	8.2	9.5	9.3	8.8	8.4
86.5°	6.0	6.8	8.1	7.9	7.5	7.0
87°	4.6	5.5	6.8	6.6	6.1	5.7
87.5°	3.4	4.2	5.5	5.2	4.9	4.4
88°	2.1	3.0	4.2	3.9	3.6	3.1
88.5°	1.0	1.8	3.4	3.0	2.7	2.4
89°	0.2	1.4	2.5	2.0	1.8	1.6
89.5°	0.0	1.1	1.7	1.0	1.0	0.8

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

Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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°	0.0	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°	0.1	0.0	0.0	0.0	0.0	0.0
103°	0.1	0.0	0.0	0.0	0.0	0.0
103.5°	0.1	0.0	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	0.0	0.0	0.0	0.0
105.5°	0.1	0.1	0.1	0.0	0.0	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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1
131.5°	0.1	0.1	0.1	0.1	0.1	0.1
132°	0.1	0.1	0.1	0.1	0.1	0.1
132.5°	0.1	0.1	0.1	0.1	0.1	0.1
133°	0.1	0.1	0.1	0.1	0.1	0.1
133.5°	0.1	0.1	0.1	0.1	0.1	0.1
134°	0.1	0.1	0.1	0.1	0.1	0.1
134.5°	0.1	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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	0.2	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°	0.1	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°	0.2	0.2	0.1	0.1	0.1	0.1
152.5°	0.2	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	0.1	0.1	0.1	0.1
156.5°	0.3	0.2	0.1	0.1	0.1	0.1
157°	0.3	0.2	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: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.1	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	0.1	0.1	0.1
161.5°	0.3	0.2	0.2	0.1	0.1	0.1
162°	0.3	0.2	0.2	0.1	0.1	0.1
162.5°	0.3	0.2	0.2	0.1	0.1	0.1
163°	0.3	0.2	0.2	0.1	0.1	0.1
163.5°	0.3	0.2	0.2	0.2	0.1	0.1
164°	0.3	0.2	0.2	0.2	0.1	0.1
164.5°	0.3	0.2	0.2	0.2	0.1	0.1
165°	0.3	0.2	0.2	0.2	0.1	0.1
165.5°	0.3	0.2	0.2	0.2	0.1	0.1
166°	0.3	0.2	0.2	0.2	0.1	0.1
166.5°	0.3	0.2	0.2	0.2	0.1	0.1
167°	0.3	0.2	0.2	0.2	0.1	0.1
167.5°	0.3	0.2	0.2	0.2	0.1	0.1
168°	0.3	0.3	0.2	0.2	0.1	0.1
168.5°	0.3	0.3	0.2	0.2	0.2	0.1
169°	0.3	0.3	0.2	0.2	0.2	0.1
169.5°	0.3	0.3	0.2	0.2	0.2	0.1
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	0.1	0.2
171.5°	0.2	0.3	0.2	0.2	0.1	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	0.1	0.2
173°	0.2	0.3	0.2	0.2	0.2	0.2
173.5°	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
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
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Scaled Data Report

TEST NUMBER: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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: P1596593
CATALOG NUMBER: HLB2LSFS5-MED-2700K

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	29.24	30.86	29.61	31.18	31.50	28.88	30.50	29.24	30.81	31.13
	3H	31.04	32.50	31.42	32.83	33.19	30.61	32.08	30.99	32.41	32.77
	4H	31.72	33.10	32.12	33.45	33.83	31.25	32.63	31.65	32.98	33.36
	6H	32.24	33.52	32.65	33.89	34.28	31.71	32.99	32.12	33.36	33.75
	8H	32.41	33.63	32.84	34.02	34.42	31.85	33.07	32.27	33.46	33.86
	12H	32.49	33.66	32.92	34.04	34.47	31.90	33.07	32.33	33.45	33.88
4H	2H	29.87	31.25	30.27	31.60	31.98	29.50	30.88	29.90	31.23	31.61
	3H	31.88	33.04	32.30	33.44	33.84	31.45	32.61	31.86	33.01	33.41
	4H	32.70	33.75	33.13	34.16	34.60	32.22	33.27	32.65	33.68	34.12
	6H	33.35	34.27	33.81	34.71	35.17	32.80	33.71	33.26	34.16	34.61
	8H	33.57	34.43	34.03	34.87	35.34	32.98	33.83	33.44	34.28	34.75
	12H	33.70	34.47	34.19	34.95	35.42	33.07	33.84	33.55	34.32	34.79
8H	4H	33.02	33.87	33.48	34.32	34.79	32.53	33.38	32.99	33.83	34.30
	6H	33.80	34.51	34.29	35.00	35.47	33.22	33.93	33.72	34.42	34.90
	8H	34.09	34.73	34.60	35.24	35.73	33.47	34.10	33.98	34.61	35.10
	12H	34.30	34.87	34.81	35.36	35.92	33.62	34.19	34.13	34.68	35.24
12H	4H	33.06	33.82	33.54	34.30	34.77	32.56	33.33	33.04	33.81	34.28
	6H	33.86	34.50	34.37	35.00	35.49	33.28	33.92	33.79	34.42	34.91
	8H	34.21	34.78	34.72	35.27	35.83	33.57	34.14	34.08	34.63	35.19

END OF REPORT