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: P1596637

Luminaire Tested: HLB3SLSFS5-LO-5000K

Issue Date: 10/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1596637
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (A2600511B001)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	10/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	HALO
Catalog Number:	HLB3SLSFS5-LO-5000K
Description:	HLB3 3" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	5000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

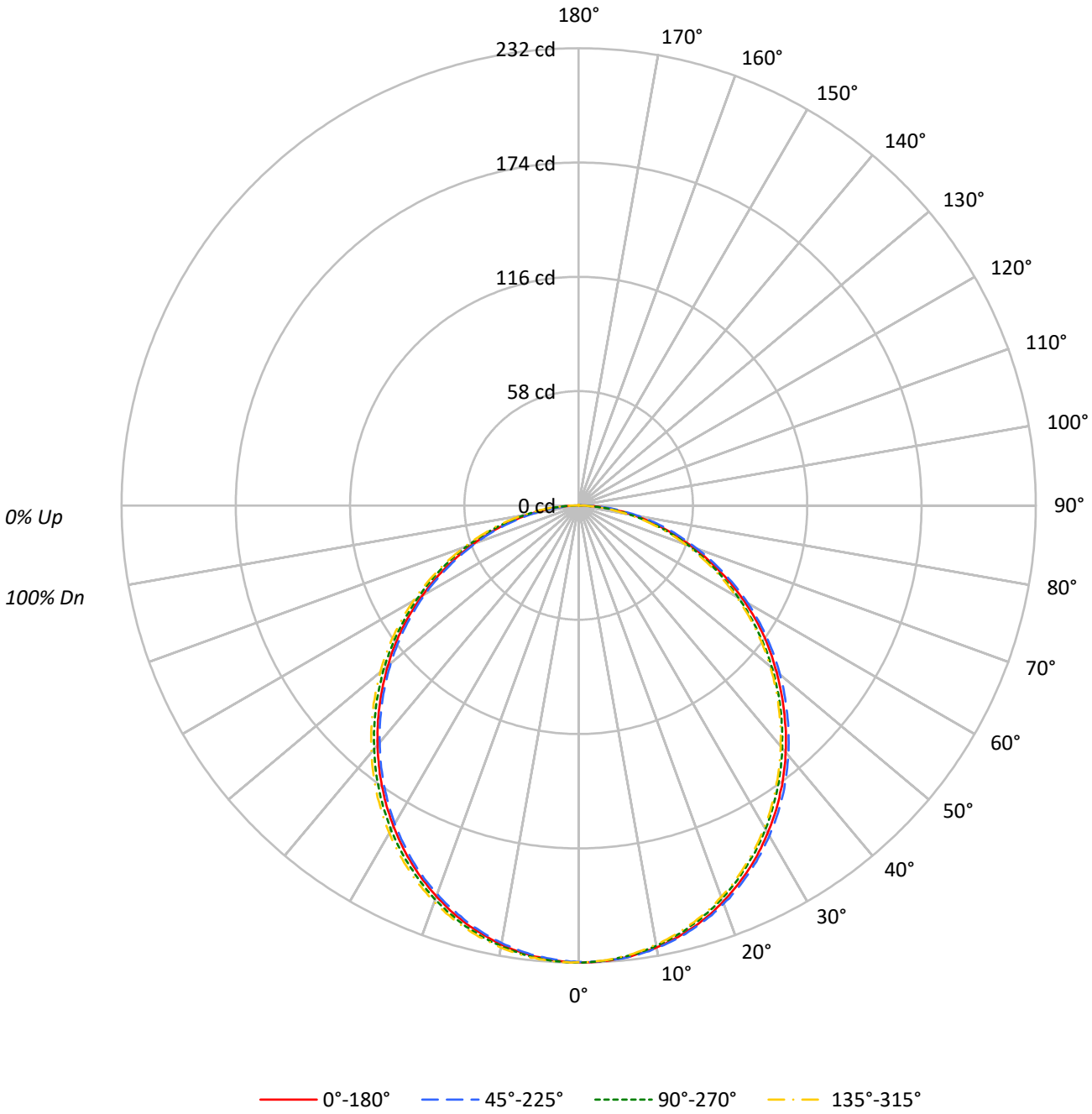
Lumens per Lamp:	N/A
Luminaire Lumens:	635.0 lumens
Efficiency:	N/A
Efficacy:	100.8 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.14' x L: 0.14' x H: 0')
CIE Type:	Direct
Input Watts (W):	6.3
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	69	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	128829	128829	128829	128829
5°	128875	128596	128372	128707
10°	128502	128051	127656	128220
15°	127735	126987	126469	127274
20°	126628	125623	124913	125918
25°	125038	123811	122891	124118
30°	123153	121677	120650	122126
35°	120905	119276	118055	119751
40°	118621	116590	115212	117098
45°	115854	113732	112239	114440
50°	113267	110760	109203	111538
55°	110947	107555	106102	108427
60°	107820	104041	102152	105042
65°	104023	100472	97447	101655
70°	99611	96199	91811	97661
75°	95342	90833	86109	93195
80°	90897	83855	78734	87376
85°	85449	70783	64406	78435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 89.5°
Luminance: 191064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	3.4
10°-20°	62.3	9.8
20°-30°	93.1	14.7
30°-40°	110.2	17.4
40°-50°	112.1	17.7
50°-60°	100.0	15.7
60°-70°	76.1	12.0
70°-80°	45.3	7.1
80°-90°	13.3	2.1
90°-100°	0.1	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°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	177.3	27.9
0°-40°	287.6	45.3
0°-60°	499.7	78.7
0°-90°	634.4	99.9
90°-120°	0.2	0.0
90°-150°	0.5	0.1
90°-180°	1.0	0.2
0°-180°	635.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	232	232	232	232	232	
5°	231	230	230	231	231	22
15°	222	221	220	221	222	63
25°	204	202	200	202	204	94
35°	178	176	174	176	178	112
45°	147	145	143	146	147	114
55°	114	111	110	112	114	102
65°	79	76	74	77	79	78
75°	44	42	40	43	44	47
85°	13	11	10	12	13	14
90°	1	0	0	1	1	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°	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8
0.5°	*232.0*	*231.8*	*231.5*	*231.7*	*232.0*	*231.9*	*231.9*	*232.0*	*231.8*	*231.6*	*231.4*
1°	231.9	231.8	231.8	231.7	231.8	231.8	231.8	231.9	231.8	231.4	231.5
1.5°	231.9	231.7	231.8	231.8	231.7	231.8	231.7	231.7	231.6	231.3	231.2
2°	231.8	231.7	231.6	231.7	231.7	231.6	231.6	231.7	231.5	231.2	231.3
2.5°	231.8	231.7	231.6	231.6	231.6	231.6	231.3	231.6	231.3	230.9	230.9
3°	231.5	231.5	231.5	231.5	231.5	231.3	231.3	231.3	231.2	230.9	230.8
3.5°	231.6	231.7	231.3	231.5	231.2	231.1	231.1	231.0	231.0	230.5	230.5
4°	231.4	231.4	231.6	231.2	231.2	230.9	230.9	230.8	230.8	230.1	230.3
4.5°	231.2	231.3	231.2	231.2	230.9	230.8	230.7	230.6	230.5	229.9	229.9
5°	231.0	231.2	231.1	230.9	230.5	230.3	230.3	230.2	230.1	229.6	229.8
5.5°	230.7	231.1	230.9	230.7	230.3	230.2	230.0	230.1	230.0	229.3	229.3
6°	230.6	230.7	230.7	230.6	230.0	229.9	229.7	229.6	229.7	228.9	229.2
6.5°	230.4	230.6	230.4	230.3	229.7	229.5	229.4	229.2	229.2	228.4	228.7
7°	230.0	230.3	230.2	229.9	229.2	229.2	229.1	229.0	228.9	228.1	228.3
7.5°	229.6	230.0	230.0	229.7	229.2	228.9	228.6	228.5	228.5	227.7	227.9
8°	229.3	229.8	229.6	229.3	228.6	228.4	228.2	228.1	228.1	227.2	227.3
8.5°	229.0	229.5	229.1	229.0	228.3	228.1	227.8	227.7	227.7	226.7	226.9
9°	228.5	229.0	229.0	228.6	227.7	227.5	227.3	227.2	227.2	226.2	226.4
9.5°	228.2	228.8	228.4	228.2	227.4	227.1	226.8	226.7	226.7	225.6	226.0
10°	227.7	228.3	228.1	227.6	226.9	226.6	226.3	226.0	226.2	225.2	225.4
10.5°	227.3	228.1	227.6	227.4	226.3	226.0	225.9	225.7	225.7	224.5	224.8
11°	226.9	227.3	227.2	226.7	225.8	225.5	225.2	225.1	225.0	223.9	224.3
11.5°	226.3	227.0	226.7	226.4	225.4	225.0	224.7	224.5	224.4	223.2	223.5
12°	225.7	226.6	226.2	225.8	224.7	224.3	224.0	223.9	223.8	222.6	223.0
12.5°	225.2	226.0	225.7	225.3	224.2	223.8	223.5	223.2	223.2	221.9	222.3
13°	224.7	225.4	225.0	224.6	223.5	223.0	222.8	222.6	222.5	221.3	221.7
13.5°	223.9	224.9	224.5	224.2	222.9	222.6	222.2	221.9	221.9	220.4	220.9
14°	223.4	224.3	224.1	223.5	222.3	221.8	221.4	221.2	221.2	219.9	220.3
14.5°	222.7	223.8	223.3	222.9	221.6	221.0	220.8	220.7	220.5	219.0	219.4
15°	222.0	223.0	222.7	222.2	220.7	220.4	220.0	219.8	219.8	218.4	218.8
15.5°	221.5	222.5	222.0	221.5	220.1	219.5	219.4	219.1	219.0	217.5	217.9
16°	220.7	221.8	221.3	220.8	219.4	218.9	218.4	218.3	218.1	216.7	216.9
16.5°	219.9	221.1	220.6	220.1	218.6	218.0	217.7	217.3	217.5	215.9	216.3
17°	219.2	220.4	220.0	219.3	217.6	217.2	217.0	216.5	216.6	214.9	215.2
17.5°	218.4	219.6	219.2	218.5	216.9	216.4	216.0	215.7	215.8	214.1	214.6
18°	217.6	218.8	218.6	217.7	215.9	215.6	215.3	214.8	214.8	213.3	213.7
18.5°	216.8	218.2	217.5	217.0	215.2	214.6	214.2	213.9	213.9	212.3	212.8
19°	215.8	217.2	217.0	216.0	214.3	213.6	213.4	213.1	212.9	211.2	211.8
19.5°	215.0	216.5	215.9	215.3	213.3	212.7	212.3	212.1	212.1	210.3	210.9
20°	214.1	215.5	215.1	214.3	212.4	211.8	211.5	211.1	211.2	209.3	209.9
20.5°	213.1	214.6	214.1	213.4	211.4	210.9	210.4	210.2	210.1	208.3	208.8
21°	212.2	213.7	213.5	212.6	210.5	209.8	209.6	209.3	209.1	207.2	207.8
21.5°	211.2	212.7	212.3	211.6	209.4	208.8	208.4	208.2	208.1	206.3	206.8
22°	210.2	211.9	211.5	210.4	208.4	207.7	207.6	207.1	207.0	205.2	205.9

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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°	209.2	210.9	210.4	209.7	207.4	206.8	206.4	206.1	206.0	204.0	204.8
23°	208.3	209.9	209.4	208.5	206.4	205.7	205.4	204.9	204.9	203.0	203.7
23.5°	207.1	208.8	208.5	207.6	205.3	204.7	204.3	203.9	203.9	201.9	202.4
24°	206.1	207.9	207.4	206.6	204.1	203.5	203.2	202.8	202.7	200.7	201.5
24.5°	205.1	206.8	206.3	205.6	203.0	202.4	202.0	201.5	201.5	199.6	200.2
25°	203.9	205.8	205.4	204.3	201.9	201.2	200.9	200.5	200.4	198.4	199.2
25.5°	202.9	204.6	204.3	203.3	200.7	200.2	199.7	199.3	199.2	197.2	197.9
26°	201.8	203.5	203.0	202.1	199.4	199.0	198.6	198.1	198.1	196.1	196.8
26.5°	200.5	202.6	202.1	201.1	198.4	197.7	197.3	196.9	196.9	194.7	195.4
27°	199.4	201.2	200.7	199.8	197.3	196.5	196.2	195.7	195.7	193.6	194.2
27.5°	198.1	200.2	199.7	198.8	196.0	195.4	194.9	194.6	194.4	192.3	193.0
28°	197.0	199.0	198.5	197.5	194.7	194.1	193.7	193.3	193.1	190.9	191.9
28.5°	195.6	197.8	197.3	196.3	193.5	192.8	192.5	192.0	191.9	189.7	190.4
29°	194.5	196.6	196.0	195.0	192.3	191.5	191.2	190.7	190.5	188.5	189.1
29.5°	193.2	195.4	194.9	193.9	191.0	190.3	189.8	189.3	189.3	187.1	187.9
30°	191.9	194.2	193.6	192.5	189.6	188.8	188.6	188.1	188.0	185.7	186.6
30.5°	190.6	192.8	192.3	191.3	188.3	187.6	187.2	186.7	186.6	184.3	185.2
31°	189.3	191.7	190.9	189.9	187.0	186.3	185.9	185.4	185.3	183.1	183.8
31.5°	188.0	190.4	189.8	188.8	185.6	184.9	184.5	184.0	183.8	181.6	182.4
32°	186.7	188.9	188.4	187.3	184.3	183.6	183.2	182.7	182.6	180.2	181.1
32.5°	185.4	187.8	187.1	186.2	182.9	182.1	181.7	181.3	181.2	178.9	179.6
33°	184.0	186.4	185.8	184.6	181.4	180.9	180.3	179.9	179.7	177.4	178.2
33.5°	182.6	185.0	184.5	183.3	180.0	179.4	179.0	178.5	178.4	176.0	176.7
34°	181.2	183.8	183.0	181.8	178.7	178.0	177.5	177.2	176.9	174.6	175.4
34.5°	179.9	182.3	181.7	180.5	177.3	176.6	176.1	175.6	175.4	173.0	173.8
35°	178.2	180.9	180.3	179.0	175.8	174.9	174.6	174.2	174.0	171.6	172.6
35.5°	176.9	179.5	178.9	177.6	174.3	173.6	173.0	172.6	172.5	170.1	170.9
36°	175.6	178.1	177.5	176.3	172.9	172.2	171.7	171.2	171.1	168.6	169.4
36.5°	174.1	176.7	176.0	174.8	171.4	170.7	170.1	169.8	169.7	167.2	167.9
37°	172.6	175.2	174.5	173.4	169.8	169.1	168.7	168.3	167.9	165.6	166.5
37.5°	171.0	173.8	173.0	171.7	168.5	167.7	167.2	166.7	166.5	164.1	165.0
38°	169.5	172.3	171.6	170.4	166.9	166.1	165.6	165.2	164.9	162.6	163.4
38.5°	168.1	170.8	170.1	168.8	165.3	164.7	164.1	163.7	163.5	161.0	161.9
39°	166.6	169.3	168.5	167.4	163.8	163.2	162.4	162.2	161.9	159.4	160.2
39.5°	165.0	167.8	167.1	165.8	162.3	161.6	161.0	160.6	160.4	157.8	158.6
40°	163.5	166.3	165.5	164.4	160.7	160.0	159.5	159.0	158.8	156.4	157.1
40.5°	161.9	164.8	164.1	162.6	159.2	158.5	157.8	157.5	157.2	154.7	155.6
41°	160.3	163.1	162.4	161.3	157.4	156.9	156.3	155.9	155.6	153.1	153.9
41.5°	158.7	161.6	160.9	159.7	156.0	155.3	154.8	154.3	154.1	151.6	152.4
42°	157.1	159.9	159.3	158.1	154.4	153.7	153.1	152.7	152.5	150.0	150.8
42.5°	155.6	158.6	157.8	156.4	152.8	152.1	151.6	151.1	150.9	148.3	149.2
43°	154.0	156.9	156.2	155.0	151.1	150.5	149.9	149.6	149.3	146.8	147.5
43.5°	152.3	155.4	154.6	153.3	149.7	149.0	148.3	147.9	147.6	145.1	145.9
44°	150.7	153.8	153.0	151.7	148.0	147.3	146.7	146.4	146.0	143.5	144.3
44.5°	149.1	152.1	151.3	150.0	146.4	145.7	145.1	144.7	144.3	141.8	142.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	147.4	150.5	149.7	148.5	144.7	144.0	143.4	143.1	142.8	140.2	141.0
45.5°	145.8	149.0	148.1	146.9	143.1	142.4	141.9	141.5	141.1	138.6	139.4
46°	144.2	147.2	146.6	145.3	141.4	140.8	140.1	139.8	139.5	136.9	137.8
46.5°	142.6	145.6	144.9	143.6	139.9	139.2	138.6	138.3	137.8	135.3	136.0
47°	140.8	144.1	143.2	142.1	138.1	137.5	136.8	136.5	136.1	133.6	134.4
47.5°	139.2	142.4	141.6	140.3	136.4	135.8	135.2	134.9	134.6	132.0	132.7
48°	137.5	140.8	140.0	138.7	134.8	134.2	133.5	133.2	132.9	130.2	131.1
48.5°	135.9	139.1	138.4	137.0	133.1	132.7	132.0	131.5	131.2	128.6	129.4
49°	134.3	137.5	136.7	135.5	131.6	130.9	130.2	129.9	129.5	127.0	127.7
49.5°	132.6	135.8	134.9	133.6	129.9	129.3	128.5	128.2	128.0	125.2	126.0
50°	131.0	134.2	133.4	132.1	128.1	127.6	126.8	126.5	126.3	123.6	124.4
50.5°	129.3	132.5	131.7	130.3	126.5	126.0	125.1	124.8	124.7	121.8	122.8
51°	127.7	130.9	130.1	128.8	124.7	124.2	123.5	123.1	123.0	120.2	121.1
51.5°	126.1	129.2	128.3	127.1	123.1	122.6	121.6	121.3	121.4	118.5	119.3
52°	124.4	127.4	126.8	125.4	121.3	120.8	120.1	119.7	119.7	116.8	117.6
52.5°	122.8	125.9	125.1	123.7	119.7	119.3	118.3	117.9	118.0	115.0	116.0
53°	121.2	124.1	123.4	122.1	117.9	117.4	116.6	116.1	116.3	113.2	114.1
53.5°	119.5	122.4	121.6	120.4	116.1	115.7	114.9	114.4	114.6	111.5	112.6
54°	117.9	120.7	119.9	118.7	114.4	114.1	113.2	112.7	112.9	109.8	110.7
54.5°	116.3	118.9	118.2	117.1	112.7	112.4	111.4	111.0	111.1	108.1	109.1
55°	114.5	117.2	116.5	115.4	111.0	110.7	109.7	109.3	109.5	106.3	107.3
55.5°	112.8	115.5	114.8	113.7	109.3	108.9	108.0	107.5	107.7	104.6	105.6
56°	111.0	113.7	113.0	112.0	107.5	107.2	106.2	105.9	105.9	102.8	103.9
56.5°	109.3	112.0	111.3	110.3	105.8	105.3	104.5	104.0	104.2	101.1	102.1
57°	107.5	110.2	109.6	108.6	104.0	103.6	102.8	102.4	102.4	99.4	100.4
57.5°	105.8	108.6	107.8	106.9	102.3	101.9	101.1	100.7	100.8	97.7	98.7
58°	104.1	106.7	106.1	105.2	100.7	100.1	99.3	98.9	98.8	96.0	97.0
58.5°	102.3	105.0	104.3	103.3	98.9	98.3	97.6	97.1	97.2	94.3	95.2
59°	100.5	103.3	102.6	101.6	97.2	96.6	95.8	95.4	95.4	92.4	93.5
59.5°	98.7	101.6	100.8	99.9	95.4	94.8	94.1	93.6	93.6	90.8	91.7
60°	97.0	99.8	99.1	98.0	93.6	93.1	92.3	91.9	91.9	89.1	90.0
60.5°	95.2	98.2	97.3	96.4	92.0	91.3	90.6	90.1	90.0	87.3	88.2
61°	93.4	96.4	95.6	94.5	90.1	89.5	88.8	88.4	88.3	85.5	86.5
61.5°	91.6	94.6	93.7	92.7	88.5	87.7	87.0	86.6	86.6	83.8	84.7
62°	89.8	92.9	92.0	91.0	86.7	86.0	85.3	84.9	84.7	82.0	82.9
62.5°	88.0	91.2	90.3	89.2	85.0	84.1	83.5	83.1	83.0	80.3	81.1
63°	86.3	89.4	88.5	87.4	83.2	82.4	81.7	81.4	81.1	78.5	79.4
63.5°	84.4	87.7	86.7	85.7	81.6	80.6	80.0	79.6	79.4	76.8	77.6
64°	82.7	85.9	84.9	83.9	79.8	78.9	78.2	77.9	77.6	75.0	75.8
64.5°	80.9	84.1	83.2	82.1	78.2	77.1	76.5	76.1	75.9	73.3	74.1
65°	79.1	82.4	81.4	80.3	76.4	75.3	74.7	74.5	74.1	71.5	72.3
65.5°	77.3	80.6	79.6	78.5	74.7	73.5	72.9	72.6	72.3	69.8	70.6
66°	75.5	78.8	77.8	76.8	73.0	71.8	71.2	70.9	70.5	68.1	68.8
66.5°	73.7	77.1	76.1	75.0	71.3	70.0	69.5	69.2	68.8	66.4	67.1
67°	71.9	75.3	74.3	73.2	69.5	68.3	67.8	67.5	67.1	64.7	65.3

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

Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	70.1	73.6	72.6	71.5	67.8	66.6	66.1	65.8	65.3	63.0	63.7
68°	68.4	71.9	70.8	69.7	66.0	64.8	64.3	64.1	63.6	61.3	62.0
68.5°	66.6	70.1	69.1	68.0	64.3	63.1	62.6	62.4	61.8	59.6	60.3
69°	64.8	68.4	67.3	66.2	62.6	61.4	60.9	60.7	60.0	57.9	58.6
69.5°	63.1	66.6	65.6	64.4	60.9	59.7	59.2	59.0	58.3	56.2	56.8
70°	61.3	64.9	63.8	62.7	59.2	58.0	57.5	57.3	56.5	54.5	55.1
70.5°	59.6	63.2	62.1	60.9	57.5	56.3	55.8	55.6	55.0	52.9	53.5
71°	57.9	61.4	60.4	59.2	55.7	54.6	54.1	53.9	53.3	51.1	51.8
71.5°	56.1	59.8	58.7	57.5	54.1	52.8	52.4	52.3	51.6	49.5	50.2
72°	54.5	58.1	57.0	55.8	52.4	51.2	50.7	50.6	49.9	47.8	48.5
72.5°	52.7	56.3	55.3	54.1	50.7	49.6	49.1	48.9	48.2	46.2	46.9
73°	51.1	54.7	53.7	52.4	49.0	47.9	47.4	47.3	46.6	44.5	45.2
73.5°	49.4	53.0	52.0	50.7	47.3	46.3	45.8	45.6	45.0	42.9	43.6
74°	47.8	51.3	50.4	49.0	45.7	44.7	44.1	43.9	43.3	41.2	42.0
74.5°	46.1	49.6	48.7	47.4	44.1	43.0	42.5	42.3	41.7	39.6	40.4
75°	44.4	48.0	47.1	45.8	42.3	41.4	40.9	40.7	40.1	38.0	38.7
75.5°	42.8	46.3	45.5	44.1	40.8	39.8	39.2	39.0	38.5	36.3	37.1
76°	41.2	44.6	43.8	42.5	39.1	38.2	37.6	37.4	36.9	34.7	35.5
76.5°	39.6	43.0	42.2	40.8	37.5	36.6	36.0	35.7	35.3	33.2	33.9
77°	38.0	41.3	40.5	39.2	35.8	35.0	34.3	34.1	33.8	31.5	32.3
77.5°	36.4	39.6	38.9	37.5	34.2	33.4	32.8	32.5	32.2	29.9	30.7
78°	34.8	38.1	37.4	36.0	32.6	31.9	31.2	30.9	30.7	28.4	29.1
78.5°	33.2	36.4	35.7	34.4	31.0	30.3	29.5	29.3	29.1	26.8	27.6
79°	31.6	34.8	34.1	32.8	29.4	28.7	28.0	27.8	27.6	25.2	26.0
79.5°	30.0	33.1	32.5	31.2	27.8	27.1	26.4	26.2	26.1	23.7	24.5
80°	28.4	31.6	30.9	29.7	26.2	25.6	24.8	24.6	24.6	22.2	22.9
80.5°	27.0	29.9	29.3	28.1	24.7	24.1	23.3	23.1	23.1	20.7	21.4
81°	25.4	28.3	27.7	26.6	23.1	22.5	21.8	21.5	21.6	19.1	19.9
81.5°	23.9	26.8	26.1	25.1	21.6	21.0	20.3	20.0	20.1	17.6	18.4
82°	22.4	25.3	24.6	23.6	20.0	19.5	18.7	18.5	18.6	16.1	16.9
82.5°	20.9	23.7	23.1	22.0	18.5	17.9	17.3	17.0	17.2	14.7	15.5
83°	19.4	22.1	21.5	20.5	17.0	16.4	15.7	15.5	15.7	13.3	14.0
83.5°	17.9	20.6	20.0	19.0	15.5	14.9	14.3	14.0	14.3	11.8	12.6
84°	16.4	19.0	18.4	17.5	14.0	13.4	12.8	12.6	12.9	10.4	11.1
84.5°	14.9	17.4	16.9	15.9	12.6	11.9	11.4	11.2	11.5	9.0	9.7
85°	13.4	16.0	15.4	14.5	11.1	10.5	10.0	9.8	10.1	7.7	8.3
85.5°	12.0	14.5	13.9	13.0	9.7	9.1	8.6	8.4	8.7	6.3	7.0
86°	10.6	12.9	12.4	11.5	8.2	7.7	7.2	7.0	7.3	5.0	5.6
86.5°	9.1	11.5	10.9	10.1	6.8	6.3	5.8	5.7	6.0	3.7	4.2
87°	7.7	10.1	9.4	8.6	5.4	4.9	4.4	4.3	4.6	2.3	2.8
87.5°	6.3	8.6	8.0	7.2	4.0	3.5	3.0	2.9	3.2	1.3	1.6
88°	4.9	7.2	6.5	5.8	2.6	2.1	1.7	1.8	2.0	0.5	0.7
88.5°	3.5	5.7	5.1	4.3	1.3	0.9	0.7	0.8	1.0	0.2	0.3
89°	2.2	4.3	3.7	2.9	0.3	0.2	0.2	0.3	0.4	0.0	0.1
89.5°	1.6	3.0	2.3	2.2	0.0	0.1	0.0	0.1	0.1	0.0	0.0

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

Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.1	2.2	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.6	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	0.1	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
99°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
99.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
100°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
100.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
101°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1
101.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1
102°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
102.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
103°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.1	0.1	0.1	0.1	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: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
136.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
137.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
139.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
142.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
143°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
143.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
144°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
144.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
145°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
145.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	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: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
159°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
159.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
161°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
161.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
162°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
162.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
163°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
163.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
164°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
164.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
165°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
165.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
166°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
166.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
167°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
167.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
168°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
168.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
169°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
169.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
170°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
170.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
171°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
171.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
172°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
172.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
173°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
173.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176°	0.2	0.1	0.1	0.1	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: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

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: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	231.8	231.8	231.8	231.8	*231.8*	231.8
0.5°	*231.7*	*232.0*	*231.9*	*231.8*	*232.1*	*232.0*
1°	231.5	231.9	231.9	232.0	*232.0*	231.9
1.5°	231.5	231.9	231.9	231.8	*232.1*	231.9
2°	231.3	231.7	231.7	231.9	*232.0*	231.8
2.5°	231.2	231.6	231.7	231.7	*231.9*	231.8
3°	230.8	231.6	231.4	231.7	*231.8*	231.5
3.5°	230.8	231.4	231.5	231.5	*231.7*	231.6
4°	230.5	231.2	231.1	231.5	*231.5*	231.4
4.5°	230.2	231.0	231.3	231.2	*231.4*	231.2
5°	230.0	230.7	230.9	231.2	*231.0*	231.0
5.5°	229.7	230.4	230.7	230.6	*230.9*	230.7
6°	229.2	230.2	230.5	230.8	*230.6*	230.6
6.5°	228.9	229.9	230.2	230.3	*230.5*	230.4
7°	228.5	229.6	229.8	230.1	*229.9*	230.0
7.5°	228.2	229.3	229.4	229.7	*229.9*	229.6
8°	227.7	228.7	229.2	229.3	*229.4*	229.3
8.5°	227.3	228.5	228.7	229.0	*229.2*	229.0
9°	226.8	227.8	228.2	228.6	*228.7*	228.5
9.5°	226.2	227.5	227.9	228.2	*228.5*	228.2
10°	225.8	227.2	227.4	227.8	*227.9*	227.7
10.5°	225.2	226.5	226.9	227.3	*227.6*	227.3
11°	224.7	226.1	226.5	226.7	*226.9*	226.9
11.5°	223.9	225.6	225.8	226.1	*226.4*	226.3
12°	223.4	224.9	225.3	225.7	*225.8*	225.7
12.5°	222.8	224.5	224.8	225.0	*225.4*	225.2
13°	222.1	223.7	224.2	224.7	*224.8*	224.7
13.5°	221.5	223.0	223.6	223.9	*224.2*	223.9
14°	220.7	222.4	222.9	223.4	*223.5*	223.4
14.5°	220.1	221.7	222.2	222.7	*223.0*	222.7
15°	219.3	221.2	221.5	222.1	*222.2*	222.0
15.5°	218.5	220.3	220.8	221.3	*221.5*	221.5
16°	217.7	219.6	220.1	220.7	*220.8*	220.7
16.5°	217.0	218.9	219.3	219.8	*220.1*	219.9
17°	216.1	217.9	218.7	219.2	*219.2*	219.2
17.5°	215.2	217.2	217.8	218.2	*218.6*	218.4
18°	214.1	216.5	216.9	217.7	*217.7*	217.6
18.5°	213.6	215.4	216.1	216.6	*217.0*	216.8
19°	212.5	214.6	215.3	216.0	*215.9*	215.8
19.5°	211.5	213.7	214.3	215.0	*215.2*	215.0
20°	210.5	212.9	213.4	214.2	*214.2*	214.1
20.5°	209.5	211.8	212.5	213.2	*213.5*	213.1
21°	208.5	210.8	211.4	212.3	*212.3*	212.2
21.5°	207.6	209.9	210.5	211.2	*211.4*	211.2
22°	206.4	208.8	209.6	210.3	*210.4*	210.2

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	205.5	207.7	208.6	209.3	*209.6*	209.2
23°	204.2	206.8	207.6	208.4	*208.4*	208.3
23.5°	203.3	205.7	206.5	207.2	*207.5*	207.1
24°	202.0	204.6	205.4	206.3	*206.3*	206.1
24.5°	201.0	203.4	204.4	205.1	*205.3*	205.1
25°	199.7	202.4	203.1	204.1	*204.2*	203.9
25.5°	198.7	201.1	202.0	202.9	*203.1*	202.9
26°	197.3	200.1	201.0	201.8	*201.8*	201.8
26.5°	196.2	198.9	199.7	200.6	*201.0*	200.5
27°	195.0	197.8	198.6	199.5	*199.5*	199.4
27.5°	193.7	196.5	197.3	198.2	*198.5*	198.1
28°	192.4	195.3	196.1	197.0	*197.3*	197.0
28.5°	191.2	194.0	195.0	195.8	*196.0*	195.6
29°	189.9	192.8	193.7	194.7	*194.9*	194.5
29.5°	188.6	191.4	192.4	193.3	*193.6*	193.2
30°	187.3	190.3	191.2	192.1	*192.3*	191.9
30.5°	185.9	188.8	190.0	190.8	*191.0*	190.6
31°	184.6	187.6	188.5	189.5	*189.7*	189.3
31.5°	183.1	186.2	187.3	188.2	*188.4*	188.0
32°	182.0	184.7	186.1	186.8	*187.0*	186.7
32.5°	180.4	183.5	184.6	185.5	*185.7*	185.4
33°	179.1	182.2	183.2	184.1	*184.3*	184.0
33.5°	177.6	180.7	181.8	182.7	*183.0*	182.6
34°	176.2	179.4	180.4	181.3	*181.6*	181.2
34.5°	174.8	177.9	179.0	180.0	*180.1*	179.9
35°	173.2	176.5	177.6	178.5	*178.8*	178.2
35.5°	171.9	175.0	176.2	177.1	*177.3*	176.9
36°	170.4	173.6	174.7	175.6	*175.9*	175.6
36.5°	168.9	172.1	173.2	174.2	*174.4*	174.1
37°	167.4	170.7	171.7	172.8	*172.9*	172.6
37.5°	165.9	169.1	170.3	171.2	*171.5*	171.0
38°	164.4	167.6	168.8	169.8	*170.0*	169.5
38.5°	162.7	166.1	167.2	168.2	*168.5*	168.1
39°	161.2	164.6	165.7	166.7	*166.9*	166.6
39.5°	159.7	163.0	164.3	165.2	*165.5*	165.0
40°	158.1	161.4	162.7	163.6	*163.9*	163.5
40.5°	156.6	159.9	161.0	162.0	*162.4*	161.9
41°	155.0	158.4	159.6	160.6	*160.8*	160.3
41.5°	153.4	156.7	158.0	158.9	*159.3*	158.7
42°	151.7	155.3	156.4	157.4	*157.7*	157.1
42.5°	150.2	153.5	154.8	155.8	*156.1*	155.6
43°	148.5	152.0	153.1	154.2	*154.4*	154.0
43.5°	146.9	150.4	151.6	152.6	*152.9*	152.3
44°	145.3	148.9	150.0	151.0	*151.2*	150.7
44.5°	143.6	147.2	148.3	149.4	*149.6*	149.1

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

Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	142.0	145.6	146.8	147.7	*148.0*	147.4
45.5°	140.4	143.9	145.2	146.1	*146.5*	145.8
46°	138.6	142.3	143.5	144.6	*144.8*	144.2
46.5°	137.1	140.6	141.9	142.8	*143.4*	142.6
47°	135.4	139.0	140.2	141.2	*141.5*	140.8
47.5°	133.8	137.2	138.5	139.6	*139.9*	139.2
48°	132.1	135.7	136.9	137.9	*138.4*	137.5
48.5°	130.5	133.9	135.2	136.2	*136.7*	135.9
49°	128.8	132.4	133.5	134.6	*134.9*	134.3
49.5°	127.1	130.7	131.9	133.0	*133.4*	132.6
50°	125.4	129.0	130.3	131.4	*131.7*	131.0
50.5°	123.8	127.2	128.5	129.7	*130.0*	129.3
51°	122.1	125.6	126.9	128.1	*128.3*	127.7
51.5°	120.3	123.8	125.2	126.3	*126.7*	126.1
52°	118.7	122.2	123.5	124.6	*124.9*	124.4
52.5°	117.1	120.5	122.0	123.0	*123.2*	122.8
53°	115.3	118.7	120.2	121.3	*121.5*	121.2
53.5°	113.6	117.0	118.6	119.5	*119.7*	119.5
54°	112.0	115.3	116.9	117.8	*117.9*	117.9
54.5°	110.2	113.6	115.2	116.2	*116.4*	116.3
55°	108.5	111.9	113.6	114.3	*114.5*	114.5
55.5°	106.8	110.1	111.8	112.7	*112.8*	112.8
56°	105.1	108.4	110.1	110.8	*111.0*	111.0
56.5°	103.3	106.7	108.5	109.2	*109.3*	109.3
57°	101.6	105.0	106.7	107.4	*107.6*	107.5
57.5°	99.9	103.2	105.0	105.7	*105.8*	105.8
58°	98.1	101.4	103.2	104.0	*104.0*	104.1
58.5°	96.4	99.7	101.5	102.3	*102.4*	102.3
59°	94.6	98.1	99.8	100.4	*100.6*	100.5
59.5°	92.9	96.2	98.1	98.7	*98.9*	98.7
60°	91.2	94.5	96.3	96.9	*97.1*	97.0
60.5°	89.3	92.7	94.5	95.2	*95.3*	95.2
61°	87.6	91.1	92.7	93.4	*93.6*	93.4
61.5°	85.8	89.4	91.0	91.7	*92.0*	91.6
62°	84.1	87.6	89.2	89.9	*90.2*	89.8
62.5°	82.3	85.9	87.4	88.1	*88.5*	88.0
63°	80.5	84.1	85.6	86.3	*86.8*	86.3
63.5°	78.7	82.4	83.8	84.6	*84.9*	84.4
64°	77.0	80.8	82.1	82.8	*83.2*	82.7
64.5°	75.2	79.0	80.3	80.9	*81.5*	80.9
65°	73.4	77.3	78.5	79.2	*79.7*	79.1
65.5°	71.7	75.6	76.7	77.4	*77.9*	77.3
66°	69.9	73.9	74.9	75.7	*76.1*	75.5
66.5°	68.2	72.2	73.1	73.9	*74.4*	73.7
67°	66.4	70.5	71.3	72.2	*72.6*	71.9

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

Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	64.7	68.7	69.7	70.4	*70.9*	70.1
68°	63.0	67.0	67.8	68.6	*69.2*	68.4
68.5°	61.3	65.3	66.1	66.9	*67.4*	66.6
69°	59.6	63.5	64.3	65.1	*65.7*	64.8
69.5°	57.9	61.8	62.6	63.4	*64.0*	63.1
70°	56.2	60.1	60.8	61.7	*62.3*	61.3
70.5°	54.4	58.4	59.1	60.0	*60.5*	59.6
71°	52.7	56.7	57.3	58.3	*58.9*	57.9
71.5°	51.1	55.0	55.7	56.6	*57.2*	56.1
72°	49.4	53.3	54.0	54.9	*55.5*	54.5
72.5°	47.8	51.7	52.3	53.3	*53.8*	52.7
73°	46.1	50.0	50.6	51.6	*52.1*	51.1
73.5°	44.5	48.4	49.0	50.0	*50.4*	49.4
74°	42.9	46.7	47.3	48.3	*48.8*	47.8
74.5°	41.3	45.1	45.7	46.7	*47.1*	46.1
75°	39.7	43.4	44.0	45.1	*45.4*	44.4
75.5°	38.0	41.8	42.4	43.5	*43.8*	42.8
76°	36.5	40.1	40.8	41.8	*42.1*	41.2
76.5°	34.9	38.5	39.2	40.2	*40.5*	39.6
77°	33.3	36.9	37.6	38.6	*38.9*	38.0
77.5°	31.7	35.3	36.0	37.0	*37.2*	36.4
78°	30.2	33.7	34.4	35.4	*35.6*	34.8
78.5°	28.6	32.1	32.8	33.8	*34.0*	33.2
79°	27.1	30.5	31.3	32.2	*32.3*	31.6
79.5°	25.6	28.9	29.7	30.6	*30.7*	30.0
80°	24.1	27.3	28.1	29.0	*29.1*	28.4
80.5°	22.5	25.8	26.7	27.4	*27.6*	27.0
81°	20.9	24.2	25.1	26.3	*26.2*	25.4
81.5°	19.4	22.7	23.6	24.6	*24.6*	23.9
82°	18.0	21.2	22.1	23.0	*23.0*	22.4
82.5°	16.5	19.7	20.6	21.3	*21.3*	20.9
83°	15.0	18.1	19.0	19.7	*19.7*	19.4
83.5°	13.5	16.6	17.5	18.2	*18.2*	17.9
84°	12.1	15.2	16.1	16.7	*16.7*	16.4
84.5°	10.6	13.7	14.6	15.2	*15.2*	14.9
85°	9.2	12.3	13.2	13.7	*13.7*	13.4
85.5°	7.9	10.8	11.7	12.2	*12.2*	12.0
86°	6.5	9.4	10.3	10.8	*10.7*	10.6
86.5°	5.1	8.0	8.8	9.3	*9.3*	9.1
87°	3.7	6.6	7.4	7.9	*7.9*	7.7
87.5°	2.3	5.2	6.0	6.5	*6.5*	6.3
88°	1.1	3.9	4.6	5.0	*5.1*	4.9
88.5°	0.4	2.5	3.3	3.6	*3.7*	3.5
89°	0.1	1.9	2.6	2.3	*2.4*	2.2
89.5°	0.0	1.3	2.0	1.7	*1.8*	1.6

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.7	1.3	1.2	*1.2*	1.1
90.5°	0.0	0.1	0.7	0.6	*0.6*	0.6
91°	0.0	0.0	0.0	0.0	*0.0*	0.0
91.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
92°	0.0	0.0	0.0	0.0	*0.0*	0.0
92.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
93°	0.0	0.0	0.0	0.0	*0.0*	0.0
93.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
94°	0.0	0.0	0.0	0.0	*0.0*	0.0
94.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
95°	0.0	0.0	0.0	0.0	*0.0*	0.0
95.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
96°	0.0	0.0	0.0	0.0	*0.0*	0.0
96.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
97°	0.0	0.0	0.0	0.0	*0.0*	0.0
97.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
98°	0.0	0.0	0.0	0.0	*0.0*	0.0
98.5°	0.0	0.0	0.0	0.0	*0.0*	0.0
99°	0.0	0.0	0.0	0.0	*0.0*	0.0
99.5°	0.1	0.0	0.0	0.0	*0.0*	0.0
100°	0.1	0.0	0.0	0.0	*0.0*	0.0
100.5°	0.1	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	0.1	0.0	0.0	*0.0*	0.0
102.5°	0.1	0.1	0.1	0.0	*0.0*	0.0
103°	0.1	0.1	0.1	0.1	*0.0*	0.0
103.5°	0.1	0.1	0.1	0.1	*0.1*	0.0
104°	0.1	0.1	0.1	0.1	*0.1*	0.0
104.5°	0.1	0.1	0.1	0.1	*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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Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

TEST NUMBER: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.2	0.1	0.1	0.1	0.1	0.1
158°	0.2	0.1	0.1	0.1	0.1	0.1
158.5°	0.2	0.1	0.1	0.1	0.1	0.1
159°	0.2	0.1	0.1	0.1	0.1	0.1
159.5°	0.2	0.1	0.1	0.1	0.1	0.1
160°	0.2	0.1	0.1	0.1	0.1	0.1
160.5°	0.2	0.1	0.1	0.1	0.1	0.1
161°	0.2	0.1	0.1	0.1	0.1	0.1
161.5°	0.2	0.1	0.1	0.1	0.1	0.1
162°	0.2	0.1	0.1	0.1	0.1	0.1
162.5°	0.2	0.1	0.1	0.1	0.1	0.1
163°	0.2	0.1	0.1	0.2	0.1	0.1
163.5°	0.2	0.1	0.1	0.2	0.1	0.1
164°	0.2	0.1	0.2	0.2	0.1	0.1
164.5°	0.2	0.1	0.2	0.2	0.2	0.1
165°	0.2	0.1	0.2	0.2	0.2	0.1
165.5°	0.2	0.1	0.2	0.2	0.2	0.1
166°	0.2	0.1	0.2	0.2	0.2	0.1
166.5°	0.2	0.1	0.2	0.2	0.2	0.1
167°	0.2	0.1	0.2	0.2	0.2	0.1
167.5°	0.2	0.1	0.2	0.2	0.2	0.2
168°	0.2	0.1	0.2	0.2	0.2	0.2
168.5°	0.2	0.1	0.2	0.2	0.2	0.2
169°	0.2	0.1	0.2	0.2	0.2	0.2
169.5°	0.2	0.1	0.2	0.2	0.2	0.2
170°	0.2	0.1	0.2	0.2	0.2	0.2
170.5°	0.2	0.2	0.2	0.2	0.2	0.2
171°	0.2	0.2	0.2	0.2	0.2	0.2
171.5°	0.2	0.2	0.2	0.2	0.2	0.2
172°	0.2	0.2	0.2	0.2	0.2	0.1
172.5°	0.2	0.2	0.2	0.2	0.1	0.1
173°	0.2	0.2	0.2	0.2	0.1	0.1
173.5°	0.2	0.2	0.2	0.2	0.1	0.1
174°	0.2	0.2	0.2	0.1	0.1	0.1
174.5°	0.2	0.2	0.2	0.1	0.1	0.1
175°	0.2	0.2	0.2	0.1	0.1	0.1
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: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

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: P1596637
CATALOG NUMBER: HLB3SLSFS5-LO-5000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	28.59	30.22	28.95	30.54	30.85	28.40	30.03	28.76	30.35	30.66
	3H	30.45	31.93	30.83	32.25	32.62	30.22	31.69	30.59	32.02	32.38
	4H	31.18	32.57	31.58	32.92	33.30	30.92	32.31	31.32	32.66	33.04
	6H	31.76	33.05	32.17	33.42	33.81	31.46	32.75	31.87	33.12	33.51
	8H	31.97	33.20	32.40	33.59	34.00	31.64	32.88	32.07	33.27	33.67
	12H	32.07	33.26	32.50	33.64	34.07	31.72	32.90	32.15	33.29	33.72
4H	2H	29.24	30.63	29.64	30.98	31.36	29.05	30.44	29.45	30.79	31.17
	3H	31.34	32.51	31.75	32.91	33.31	31.10	32.27	31.51	32.67	33.07
	4H	32.23	33.29	32.66	33.70	34.14	31.95	33.01	32.38	33.42	33.86
	6H	32.96	33.89	33.42	34.33	34.79	32.63	33.56	33.09	34.00	34.46
	8H	33.23	34.10	33.69	34.55	35.01	32.87	33.73	33.33	34.18	34.65
	12H	33.41	34.19	33.89	34.67	35.14	33.01	33.79	33.49	34.27	34.74
8H	4H	32.59	33.46	33.05	33.90	34.37	32.30	33.17	32.76	33.61	34.08
	6H	33.48	34.20	33.97	34.69	35.17	33.13	33.85	33.62	34.34	34.82
	8H	33.85	34.50	34.36	35.00	35.49	33.45	34.10	33.96	34.61	35.10
	12H	34.13	34.71	34.64	35.20	35.76	33.69	34.26	34.19	34.75	35.31
12H	4H	32.63	33.42	33.12	33.89	34.36	32.35	33.13	32.83	33.61	34.08
	6H	33.56	34.21	34.07	34.72	35.21	33.21	33.86	33.72	34.37	34.85
	8H	34.00	34.57	34.51	35.06	35.63	33.60	34.17	34.11	34.66	35.23

END OF REPORT