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: P1596627

Luminaire Tested: HLB3LSFS5-MED-5000K

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:	P1596627
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (A2600511A001)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	10/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	HALO
Catalog Number:	HLB3LSFS5-MED-5000K
Description:	HLB3 3" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	5000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

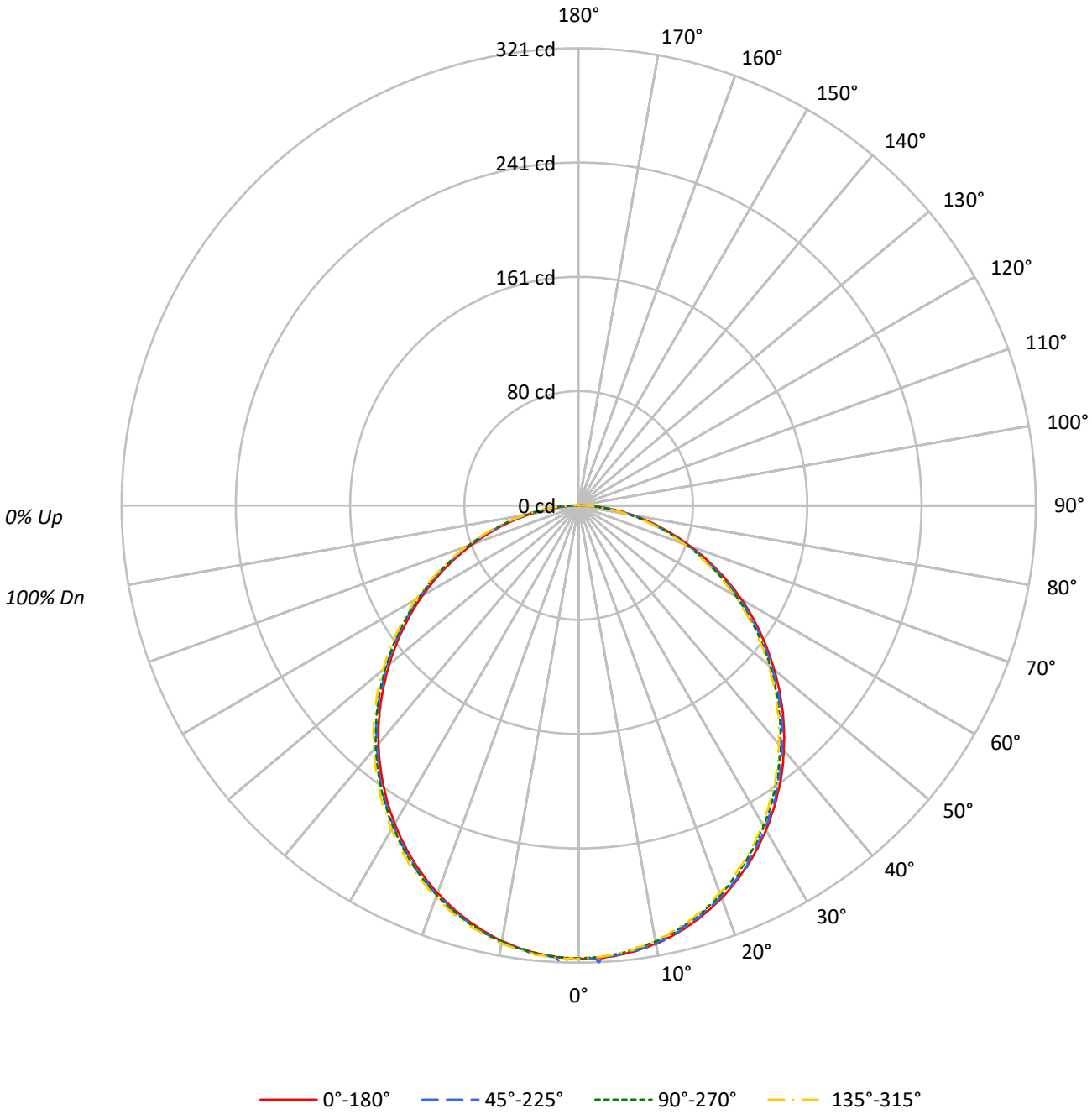
Lumens per Lamp:	N/A
Luminaire Lumens:	870.1 lumens
Efficiency:	N/A
Efficacy:	102.4 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.18' x L: 0.18' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

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	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	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	39	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°	100983	100983	100983	100983
5°	100986	100636	100668	100763
10°	100704	100156	100092	100221
15°	100044	99321	98993	99486
20°	99088	98176	97771	98345
25°	97871	96821	96295	96996
30°	96450	95058	94618	95497
35°	94725	93175	92710	93756
40°	92882	91307	90603	91846
45°	90794	88999	88236	89717
50°	88475	86549	85710	87388
55°	86203	84046	83160	85041
60°	83782	81180	80355	82449
65°	80800	77796	77121	79599
70°	77293	74138	73210	76087
75°	73325	69892	68543	72712
80°	69083	64697	63052	68900
85°	65179	56804	55711	64814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 315°
Vertical Angle: 89.5°
Luminance: 127284 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	3.5
10°-20°	85.4	9.8
20°-30°	127.7	14.7
30°-40°	151.3	17.4
40°-50°	153.8	17.7
50°-60°	136.8	15.7
60°-70°	104.0	12.0
70°-80°	61.4	7.1
80°-90°	18.7	2.2
90°-100°	0.2	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°	243.2	27.9
0°-40°	394.4	45.3
0°-60°	685.0	78.7
0°-90°	869.1	99.9
90°-120°	0.4	0.0
90°-150°	0.7	0.1
90°-180°	1.0	0.1
0°-180°	870.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	318	318	318	318	318	
5°	317	316	316	316	317	30
15°	304	302	301	303	304	86
25°	280	276	275	277	280	129
35°	244	240	239	242	244	153
45°	202	198	197	200	202	156
55°	156	152	150	154	156	139
65°	108	104	103	106	108	107
75°	60	57	56	59	60	63
85°	18	16	15	18	18	19
90°	2	0	0	2	2	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	

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	318.2	318.2	318.2	318.2	318.2	318.2	318.2	318.2	318.2	318.2	318.2
0.5°	318.4	317.0	318.4	318.9	317.8	318.2	318.8	318.6	317.9	318.7	318.6
1°	318.2	320.6	318.3	319.0	317.8	318.0	318.0	317.9	318.1	317.6	318.2
1.5°	318.2	317.4	318.8	318.2	317.7	318.1	318.0	317.9	318.0	318.3	319.2
2°	318.3	318.7	317.3	318.3	317.7	317.7	317.8	317.7	317.7	318.0	317.2
2.5°	318.1	318.0	321.2	318.4	317.4	317.6	317.4	317.7	317.6	317.4	319.7
3°	318.3	318.2	318.0	318.2	317.1	317.2	317.4	317.3	317.3	319.1	317.7
3.5°	317.8	317.3	317.4	318.3	317.1	317.1	317.0	317.0	317.0	316.7	317.6
4°	317.5	318.0	317.5	317.8	316.6	316.6	316.6	316.7	316.7	316.6	317.0
4.5°	317.5	317.9	316.9	316.8	316.4	316.4	316.6	316.4	316.4	316.8	316.6
5°	317.0	316.6	316.9	317.2	315.9	315.8	315.8	316.0	316.0	316.4	316.8
5.5°	316.7	317.1	316.3	316.3	315.7	315.7	315.4	315.4	315.5	315.6	315.9
6°	316.5	317.1	316.1	315.9	315.3	315.2	314.6	315.5	315.2	315.4	315.8
6.5°	315.7	312.9	316.1	315.8	314.7	314.7	314.7	314.4	314.7	315.1	315.5
7°	315.7	316.2	314.8	315.4	314.3	314.4	314.5	314.1	314.1	314.6	314.1
7.5°	315.3	316.5	315.1	315.3	313.8	313.7	312.8	313.6	313.7	313.7	314.0
8°	314.5	313.9	314.3	314.0	313.3	313.2	312.9	313.0	313.0	313.7	314.3
8.5°	314.1	314.5	313.8	313.6	312.7	312.6	312.4	312.2	312.4	312.8	312.9
9°	313.6	313.6	313.8	313.0	312.0	311.8	311.8	311.7	311.7	311.7	312.7
9.5°	313.0	312.9	312.0	312.0	311.5	311.2	311.3	310.7	311.0	311.8	312.3
10°	312.5	312.2	313.1	312.0	310.8	310.6	310.0	310.5	310.6	310.4	310.6
10.5°	311.9	311.6	310.8	309.9	310.2	309.8	309.9	309.5	309.6	310.6	311.6
11°	311.1	311.0	311.6	311.8	309.4	309.2	308.5	308.6	309.0	308.7	308.6
11.5°	310.2	310.3	309.3	308.9	308.4	308.2	308.6	307.8	308.0	307.5	309.0
12°	309.7	309.4	308.6	308.3	307.8	307.5	306.9	307.1	307.1	307.7	308.1
12.5°	308.9	308.6	308.1	308.4	306.9	306.7	306.0	306.2	306.2	305.8	307.0
13°	308.1	308.1	307.7	306.8	306.2	305.6	306.5	305.3	305.6	305.9	306.6
13.5°	307.1	306.8	307.0	306.1	305.3	304.8	304.2	304.2	304.5	304.4	305.7
14°	306.5	306.2	304.4	305.3	304.2	304.0	303.3	303.5	303.4	304.6	304.1
14.5°	305.2	305.3	305.0	303.8	303.4	302.8	303.1	302.3	302.6	302.9	303.9
15°	304.5	304.3	303.6	303.6	302.3	301.9	301.5	301.2	301.3	301.7	301.9
15.5°	303.3	303.2	302.2	302.0	301.3	300.8	300.5	300.4	300.4	301.1	301.7
16°	302.6	302.3	301.7	300.9	300.3	299.6	299.2	299.2	299.3	300.1	299.9
16.5°	301.4	301.0	300.9	300.5	299.1	298.4	298.5	298.1	298.1	298.1	299.7
17°	300.3	300.3	298.7	299.1	298.1	297.8	297.0	296.9	297.2	298.6	298.0
17.5°	299.2	299.1	297.9	297.7	297.1	296.3	296.0	295.9	295.9	296.0	297.2
18°	298.2	297.8	297.9	296.9	295.7	295.0	294.9	294.6	294.6	295.9	296.2
18.5°	296.9	297.2	295.8	295.5	294.5	294.4	293.6	293.3	293.5	293.5	293.7
19°	295.7	295.4	295.0	294.3	293.6	292.8	292.0	292.0	292.1	292.9	293.7
19.5°	294.6	294.1	293.8	293.2	292.1	291.3	290.7	290.9	290.7	290.8	292.2
20°	293.4	293.2	291.9	291.9	290.7	290.3	289.7	289.5	289.5	291.5	290.6
20.5°	292.2	291.9	291.3	290.4	289.7	288.8	288.5	288.1	288.3	289.5	289.9
21°	290.9	290.5	289.7	289.0	288.1	287.4	287.3	286.8	286.9	287.5	288.0
21.5°	289.4	288.9	288.5	287.8	287.0	286.3	285.5	285.4	285.5	285.8	287.3
22°	288.1	288.0	287.2	286.3	285.3	284.7	284.0	284.1	284.1	286.0	284.5

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	286.8	286.4	*285.8*	285.0	283.5	283.3	282.9	282.5	282.7	283.4	284.1
23°	285.4	285.0	*284.8*	283.5	283.0	281.8	281.5	281.0	281.1	280.9	283.3
23.5°	284.0	283.4	*282.1*	281.9	282.4	280.5	279.5	279.7	279.5	281.1	280.8
24°	282.4	282.2	*281.4*	280.4	279.4	278.9	277.9	278.1	278.2	278.0	279.8
24.5°	280.8	279.8	*280.4*	279.0	278.1	277.4	277.1	276.6	276.5	275.5	278.9
25°	279.5	279.7	*280.3*	277.5	276.5	275.7	275.2	274.8	275.0	278.1	275.9
25.5°	278.1	278.1	*275.7*	275.9	274.9	274.3	273.7	273.3	273.5	273.9	275.2
26°	276.5	275.9	*275.0*	274.3	273.2	272.6	272.0	271.6	271.8	272.3	273.5
26.5°	274.9	273.2	*274.1*	272.6	271.6	271.1	270.4	270.2	270.2	271.1	271.7
27°	273.1	274.7	*271.6*	271.0	270.3	269.3	268.5	268.3	268.4	268.9	270.2
27.5°	271.7	270.4	*270.4*	269.4	268.4	267.7	267.2	266.8	266.7	267.7	268.6
28°	269.9	269.1	*268.9*	267.5	267.0	265.9	265.3	264.9	265.2	266.2	266.6
28.5°	268.2	267.7	*266.7*	266.0	265.0	264.1	263.6	263.6	263.4	262.8	265.2
29°	266.5	266.4	*265.5*	264.3	262.9	262.4	261.9	261.6	261.7	263.3	263.6
29.5°	264.9	264.0	*263.1*	262.0	262.3	260.8	260.1	259.8	259.9	260.6	261.4
30°	263.2	263.1	*261.6*	261.2	259.4	258.8	258.6	258.0	258.2	258.9	260.1
30.5°	261.3	261.1	*259.7*	258.5	258.1	257.1	256.5	256.4	256.2	257.0	258.2
31°	259.7	260.2	*258.6*	257.4	256.1	255.4	254.8	254.3	254.4	255.4	256.5
31.5°	257.7	256.3	*255.9*	255.2	254.4	253.4	252.7	252.7	252.7	253.3	254.4
32°	255.9	256.0	*254.6*	253.4	252.5	251.5	251.0	250.8	250.7	251.7	252.9
32.5°	254.1	253.1	*252.6*	252.4	250.3	249.7	248.9	248.4	249.0	249.3	250.8
33°	252.3	251.9	*251.6*	248.9	248.9	247.7	246.9	247.3	247.0	247.6	248.8
33.5°	250.4	249.9	*248.8*	248.0	246.7	245.9	245.8	245.0	245.0	245.9	246.7
34°	248.5	247.7	*247.5*	245.4	244.7	244.0	243.2	243.0	243.1	244.1	245.5
34.5°	246.3	246.2	*244.2*	244.0	243.1	242.0	240.0	241.1	241.1	241.8	243.2
35°	244.5	244.0	*243.3*	242.0	240.5	239.9	241.7	239.1	239.3	240.1	241.1
35.5°	242.7	242.0	*240.6*	239.7	239.3	238.1	237.5	237.0	237.2	237.5	239.2
36°	240.6	239.9	*238.4*	237.9	237.5	236.1	235.7	235.1	235.2	237.4	237.2
36.5°	238.8	238.0	*237.7*	235.9	235.1	234.1	233.2	233.1	233.1	234.1	235.3
37°	236.7	235.9	*235.0*	233.8	232.9	231.9	231.5	231.2	231.0	231.5	232.8
37.5°	234.8	234.0	*232.8*	231.7	230.7	230.0	229.3	228.7	229.1	229.7	231.2
38°	232.7	231.2	*231.0*	229.6	228.9	227.8	227.3	227.0	227.0	228.2	228.6
38.5°	230.6	229.9	*228.7*	227.5	226.6	225.6	225.1	224.9	225.0	225.8	227.2
39°	228.3	228.3	*226.2*	225.7	224.8	223.5	223.0	222.7	222.9	223.6	224.7
39.5°	226.5	225.1	*225.0*	223.2	222.5	221.7	220.9	220.5	220.7	221.9	222.6
40°	224.2	224.0	*222.1*	221.0	220.4	219.4	218.8	218.4	218.7	219.8	220.8
40.5°	222.1	222.0	*220.3*	219.1	218.0	217.2	216.9	216.4	216.5	216.7	218.4
41°	219.8	218.5	*217.9*	216.7	216.2	215.1	214.2	214.0	214.3	215.7	216.5
41.5°	217.9	217.7	*215.8*	214.6	213.9	212.9	212.1	212.0	212.1	213.0	214.1
42°	215.5	214.2	*214.1*	212.2	211.8	210.7	210.3	209.8	210.1	210.9	211.9
42.5°	213.5	213.1	*211.7*	210.3	209.4	208.7	207.8	207.6	207.8	208.5	210.2
43°	211.3	209.8	*209.5*	208.2	207.6	206.2	205.8	205.4	205.6	206.6	207.8
43.5°	208.9	208.6	*207.3*	205.7	204.9	204.0	204.3	203.1	203.2	204.2	205.2
44°	206.8	205.7	*205.0*	203.6	202.8	201.8	200.9	200.7	201.3	201.9	203.2
44.5°	204.6	204.2	*202.5*	201.2	200.5	199.5	199.1	198.9	198.8	200.0	201.0

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	202.3	201.7	200.9	199.0	198.3	197.3	196.9	195.9	196.6	197.2	198.7
45.5°	200.1	199.2	198.4	196.6	196.2	195.0	194.3	194.5	194.2	195.8	196.5
46°	197.7	197.2	195.2	194.3	193.8	192.7	192.2	191.9	192.0	193.0	194.4
46.5°	195.5	194.8	194.2	192.2	191.5	190.4	189.9	189.6	189.7	190.7	191.9
47°	193.2	192.4	191.1	189.7	189.2	188.1	187.5	186.9	187.5	188.4	189.9
47.5°	190.9	190.3	188.6	187.6	186.9	185.8	185.6	185.2	185.1	186.0	187.2
48°	188.5	188.1	186.9	185.2	184.4	183.5	183.1	182.3	182.7	183.8	185.2
48.5°	186.3	185.4	184.2	182.8	182.4	181.1	180.4	180.3	180.6	181.6	182.7
49°	183.9	183.2	182.4	180.6	180.0	178.8	178.9	178.1	178.2	179.1	180.4
49.5°	181.7	180.9	179.3	178.3	177.7	176.6	176.0	175.3	175.8	177.0	178.1
50°	179.2	178.4	177.5	175.9	175.3	174.0	173.5	173.8	173.6	174.4	175.7
50.5°	176.9	176.3	175.0	173.6	173.1	171.8	171.5	171.0	171.1	172.6	173.4
51°	174.5	173.8	172.6	171.2	170.8	169.4	169.4	168.8	168.9	169.7	171.2
51.5°	172.3	171.4	170.2	168.7	168.5	167.2	166.2	166.2	166.4	167.0	168.9
52°	169.8	170.2	167.7	166.8	166.0	164.8	165.1	164.8	164.2	166.3	166.5
52.5°	167.5	166.4	165.6	165.2	163.8	162.7	162.1	161.8	161.7	162.7	163.9
53°	165.2	164.7	163.3	160.8	161.5	160.2	159.7	159.2	159.5	161.0	162.1
53.5°	162.9	162.3	160.9	160.1	159.0	157.9	157.3	157.1	157.2	158.2	159.6
54°	160.4	160.0	158.9	157.0	156.6	155.5	155.1	154.7	154.9	155.6	157.1
54.5°	158.2	157.8	156.0	154.9	154.2	153.3	152.5	152.2	152.5	153.7	154.9
55°	155.8	154.8	153.8	153.2	151.9	150.9	150.2	149.9	150.3	151.0	152.6
55.5°	153.6	152.9	151.5	149.6	149.3	148.5	147.8	147.5	147.9	148.7	150.0
56°	151.0	150.2	149.3	147.7	147.2	146.2	145.4	145.3	145.5	146.6	148.4
56.5°	148.8	147.7	146.3	145.7	144.7	143.9	143.0	142.7	143.2	143.9	145.4
57°	146.4	145.3	144.8	142.2	142.1	141.4	140.7	140.5	140.9	142.4	143.1
57.5°	144.0	142.9	141.7	140.8	139.9	139.1	138.3	138.0	138.5	139.3	140.8
58°	141.6	140.6	139.5	138.2	137.4	136.7	135.6	135.8	136.1	136.8	138.8
58.5°	139.3	138.2	137.6	135.4	135.2	134.3	133.6	133.0	133.8	134.6	135.7
59°	136.8	135.4	134.6	133.5	132.6	131.9	131.0	131.2	131.4	132.3	134.2
59.5°	134.5	133.1	132.5	131.0	130.3	129.5	128.7	128.7	129.0	129.9	131.0
60°	132.0	130.9	130.8	128.3	127.9	127.1	126.2	126.1	126.6	127.2	129.6
60.5°	129.5	128.3	126.9	126.2	125.5	124.6	123.9	123.5	124.2	125.3	126.8
61°	127.1	126.0	125.3	123.6	123.1	122.3	121.5	121.4	121.8	122.7	124.1
61.5°	124.8	124.0	122.6	121.0	120.6	119.8	119.1	119.1	119.4	120.2	122.0
62°	122.3	120.8	120.3	118.8	118.2	117.4	116.7	116.4	117.0	117.8	119.5
62.5°	119.9	118.7	117.8	116.4	115.8	115.1	114.3	114.2	114.6	115.5	117.4
63°	117.4	116.4	115.3	113.6	113.3	112.5	111.8	112.0	112.2	113.2	114.6
63.5°	115.0	113.8	112.9	111.1	110.9	110.1	109.4	109.3	109.9	110.8	112.4
64°	112.5	111.7	110.4	109.1	108.5	107.6	107.0	107.2	107.5	108.4	109.8
64.5°	110.1	108.9	108.0	106.5	106.0	105.3	104.7	104.3	105.1	106.1	107.5
65°	107.6	106.7	105.5	103.8	103.6	102.7	102.2	102.1	102.7	103.5	105.1
65.5°	105.2	104.7	103.1	101.6	101.2	100.4	99.7	99.9	100.3	101.3	102.4
66°	102.7	101.7	100.6	99.1	98.8	98.1	97.5	97.3	97.8	99.0	100.3
66.5°	100.3	99.6	98.1	97.0	96.4	95.4	94.7	94.8	95.5	96.2	97.7
67°	97.9	96.9	95.7	94.1	93.9	93.2	92.6	92.9	93.0	94.2	95.6

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	95.4	94.8	93.3	92.1	91.9	90.7	90.2	89.9	90.7	91.9	92.5
68°	93.0	91.9	90.8	89.7	89.2	88.3	87.7	87.6	88.4	89.0	91.6
68.5°	90.6	90.1	88.4	87.0	87.0	85.9	85.4	85.4	86.0	87.4	88.1
69°	88.2	87.4	86.0	84.6	84.7	83.6	83.1	83.1	83.6	84.6	85.9
69.5°	85.7	84.9	83.6	82.3	82.3	81.2	80.8	80.7	81.3	82.3	83.9
70°	83.3	82.6	81.1	80.1	79.9	78.8	78.4	78.4	78.9	79.9	81.9
70.5°	80.9	80.3	78.9	77.5	77.6	76.5	76.1	76.0	76.5	77.6	79.9
71°	78.6	77.9	76.4	75.3	75.2	74.1	73.8	73.7	74.2	75.2	77.9
71.5°	76.2	75.7	74.0	72.9	73.0	71.6	71.4	71.4	71.8	73.1	72.9
72°	73.8	73.1	71.8	70.7	70.7	69.4	69.2	69.1	69.5	70.7	72.4
72.5°	71.4	70.9	69.4	68.2	68.2	67.0	66.8	66.8	67.3	68.4	69.6
73°	69.1	68.5	67.0	66.1	66.4	64.7	64.5	64.5	64.9	66.2	66.9
73.5°	66.7	66.1	64.7	63.7	63.6	62.4	62.2	62.4	62.6	63.9	64.8
74°	64.5	64.0	62.5	61.4	61.3	60.1	60.0	60.0	60.4	61.7	63.0
74.5°	62.1	61.6	60.1	59.2	59.2	57.9	57.7	57.9	58.2	59.3	60.0
75°	59.8	59.5	58.0	57.1	57.0	55.6	55.5	55.7	55.9	57.3	58.2
75.5°	57.6	56.8	55.7	54.6	55.1	53.3	53.3	53.3	53.7	54.8	55.7
76°	55.3	54.9	53.4	52.5	52.3	51.2	51.1	51.2	51.5	52.8	53.8
76.5°	53.0	52.6	51.2	50.2	50.2	48.9	49.0	49.3	49.3	50.5	51.6
77°	50.8	50.3	49.1	48.2	48.2	46.7	46.8	46.1	47.1	48.4	48.9
77.5°	48.6	48.2	46.9	45.8	46.0	44.6	44.5	45.8	45.0	46.2	47.6
78°	46.4	46.0	44.8	43.9	43.8	42.5	42.5	42.6	42.9	44.2	44.9
78.5°	44.3	43.7	42.6	41.7	41.7	40.4	40.3	40.2	40.7	41.9	42.9
79°	42.1	41.4	40.4	39.5	39.5	38.3	38.2	38.2	38.6	39.9	41.0
79.5°	39.9	39.8	38.3	37.5	37.4	36.3	36.1	36.6	36.6	37.7	38.7
80°	37.8	37.2	36.2	34.9	35.4	34.2	34.0	33.5	34.5	35.9	36.7
80.5°	35.8	35.0	34.2	33.0	33.3	32.2	32.0	32.1	32.5	33.6	34.7
81°	33.8	33.0	32.2	31.1	31.2	30.2	30.0	30.5	30.5	31.7	32.7
81.5°	31.7	31.0	30.2	29.2	29.2	28.2	28.1	27.9	28.5	29.6	30.6
82°	29.7	29.1	28.1	27.2	27.2	26.2	26.1	26.2	26.5	27.6	28.6
82.5°	27.6	27.1	26.1	25.2	25.2	24.3	24.1	24.2	24.5	25.7	26.6
83°	25.6	25.1	24.1	23.2	23.3	22.4	22.2	22.1	22.6	23.8	24.7
83.5°	23.6	23.0	22.1	21.4	21.3	20.5	20.4	20.5	20.7	21.8	22.8
84°	21.7	21.2	20.3	19.3	19.4	18.6	18.5	18.4	18.9	20.0	20.9
84.5°	19.8	19.3	18.3	17.4	17.5	16.8	16.6	16.7	17.1	18.0	19.0
85°	17.9	17.3	16.5	15.6	15.6	14.9	14.8	14.9	15.3	16.2	17.1
85.5°	16.0	15.4	14.6	13.7	13.7	13.2	13.1	13.0	13.5	14.4	15.5
86°	14.2	13.6	12.8	12.0	12.0	11.4	11.3	11.4	11.7	12.6	13.6
86.5°	12.4	11.8	11.1	10.3	10.2	9.6	9.6	9.7	10.0	10.9	11.8
87°	10.7	10.1	9.5	8.6	8.4	7.9	7.9	8.0	8.3	9.2	10.0
87.5°	9.0	8.5	7.8	6.8	6.6	6.1	6.1	6.2	6.7	7.5	8.3
88°	7.4	6.8	6.0	4.9	4.8	4.4	4.4	4.5	5.0	5.7	6.6
88.5°	5.7	4.9	3.9	2.8	3.0	2.6	2.7	2.8	3.3	4.0	4.8
89°	3.8	3.0	2.9	2.1	1.2	1.1	1.3	1.5	1.8	2.4	3.1
89.5°	2.9	2.2	2.0	1.4	0.3	0.4	0.5	0.8	1.0	1.3	1.7

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.9	1.5	*1.0*	0.7	0.1	0.1	0.1	0.2	0.4	0.6	0.8
90.5°	1.0	0.8	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
91°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91.5°	0.0	0.0	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.0	0.0	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.0	0.0	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.0	0.0	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.0	0.0	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.0	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.1	0.1	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104°	0.1	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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-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	0.2
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
131°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
131.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
132°	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2
132.5°	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
133°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	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: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
152.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
153°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
154°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
154.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
155.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
156°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
156.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
157°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3
158.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3
159°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3
176.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-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: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	318.2	318.2	318.2	318.2	318.2	318.2
0.5°	318.5	317.8	318.2	318.8	318.4	318.4
1°	319.9	317.9	318.0	317.8	318.3	318.2
1.5°	317.0	317.6	318.1	318.6	318.3	318.2
2°	318.9	317.6	317.8	318.0	318.2	318.3
2.5°	*316.9*	*317.5*	*317.9*	*317.7*	*318.1*	*318.1*
3°	319.5	317.1	317.6	317.9	317.8	318.3
3.5°	317.6	317.0	317.5	317.6	318.0	317.8
4°	317.8	316.9	317.2	317.9	317.5	317.5
4.5°	317.7	316.5	317.1	316.9	317.5	317.5
5°	317.0	316.3	316.6	317.1	317.0	317.0
5.5°	316.6	315.8	316.4	317.1	316.9	316.7
6°	316.2	315.6	315.7	316.0	316.4	316.5
6.5°	316.5	315.0	315.6	316.0	316.0	315.7
7°	314.9	314.6	315.2	315.2	315.8	315.7
7.5°	315.9	314.0	314.5	315.1	314.9	315.3
8°	313.7	313.5	313.9	314.5	314.7	314.5
8.5°	314.5	313.0	313.6	313.8	314.3	314.1
9°	312.7	312.3	313.0	313.2	313.4	313.6
9.5°	312.7	311.7	312.3	312.8	312.8	313.0
10°	312.6	311.0	311.6	312.1	312.4	312.5
10.5°	310.4	310.4	311.1	311.3	311.8	311.9
11°	310.5	309.7	310.4	310.5	311.3	311.1
11.5°	309.3	308.8	309.5	310.3	309.6	310.2
12°	308.9	308.1	308.7	309.2	309.8	309.7
12.5°	308.1	307.3	308.1	308.4	308.5	308.9
13°	307.0	306.3	307.2	307.3	308.5	308.1
13.5°	306.3	305.4	306.5	306.5	306.7	307.1
14°	305.3	304.4	305.4	306.0	306.3	306.5
14.5°	304.4	303.6	304.4	305.0	305.5	305.2
15°	303.2	302.8	303.6	304.4	308.5	304.5
15.5°	302.5	301.7	302.5	302.9	301.9	303.3
16°	301.3	300.7	301.4	302.1	302.6	302.6
16.5°	300.2	299.5	300.6	301.0	301.6	301.4
17°	299.2	298.4	299.4	300.0	300.0	300.3
17.5°	298.1	297.1	298.3	298.9	299.2	299.2
18°	296.9	296.5	297.0	297.8	298.3	298.2
18.5°	295.7	294.8	296.0	296.5	297.8	296.9
19°	294.6	293.7	294.7	294.9	295.6	295.7
19.5°	293.2	292.6	293.6	294.5	294.3	294.6
20°	292.0	291.2	292.4	292.9	293.5	293.4
20.5°	290.6	289.8	291.0	291.7	291.5	292.2
21°	289.1	288.6	289.7	290.4	290.7	290.9
21.5°	288.0	287.2	288.5	289.1	289.0	289.4
22°	286.5	286.0	287.1	287.8	288.8	288.1

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	285.2	284.4	285.6	286.1	289.4	286.8
23°	283.8	283.1	284.1	285.3	282.9	285.4
23.5°	282.2	281.7	282.9	283.5	284.7	284.0
24°	280.8	280.3	281.2	282.1	283.0	282.4
24.5°	279.2	278.5	279.9	280.7	280.4	280.8
25°	278.0	277.0	278.3	279.2	279.8	279.5
25.5°	276.1	275.7	276.7	277.8	278.9	278.1
26°	274.7	274.0	275.1	275.6	275.6	276.5
26.5°	273.0	272.3	273.6	274.7	276.3	274.9
27°	271.3	270.9	272.0	272.9	274.1	273.1
27.5°	269.8	269.1	270.3	271.1	271.0	271.7
28°	268.1	267.6	268.8	269.5	269.4	269.9
28.5°	266.2	265.7	267.0	267.8	267.7	268.2
29°	264.7	264.0	265.2	266.2	266.5	266.5
29.5°	262.7	262.3	263.6	264.3	265.1	264.9
30°	261.2	260.6	261.9	262.8	262.8	263.2
30.5°	259.3	258.9	260.1	260.9	261.3	261.3
31°	257.5	257.0	258.2	259.2	259.5	259.7
31.5°	255.8	255.3	256.5	257.7	258.1	257.7
32°	253.9	253.3	254.5	255.4	262.4	255.9
32.5°	252.0	251.5	253.0	253.8	250.5	254.1
33°	250.2	249.5	250.8	252.2	252.9	252.3
33.5°	248.4	247.7	249.1	249.8	251.3	250.4
34°	246.3	245.9	247.1	247.9	247.9	248.5
34.5°	244.4	243.8	245.3	246.3	246.6	246.3
35°	242.5	242.0	243.2	244.2	245.2	244.5
35.5°	240.4	240.1	241.3	242.0	242.1	242.7
36°	238.7	238.0	239.4	240.3	241.3	240.6
36.5°	236.5	236.0	237.4	238.1	238.6	238.8
37°	234.4	234.0	235.3	236.2	237.0	236.7
37.5°	232.6	232.1	233.4	234.1	233.9	234.8
38°	230.5	229.8	231.2	232.1	232.9	232.7
38.5°	228.3	228.0	229.3	230.2	230.4	230.6
39°	226.3	225.8	227.3	228.0	228.4	228.3
39.5°	224.2	223.8	225.1	226.0	226.6	226.5
40°	222.2	221.7	222.9	223.9	224.1	224.2
40.5°	220.1	219.4	220.8	221.8	222.8	222.1
41°	217.9	217.4	218.7	219.5	219.7	219.8
41.5°	215.6	215.1	216.5	217.4	218.5	217.9
42°	213.5	213.0	214.3	215.3	215.5	215.5
42.5°	211.3	210.9	212.1	213.1	213.4	213.5
43°	209.1	208.4	210.1	210.8	211.0	211.3
43.5°	206.9	206.5	207.8	208.9	209.6	208.9
44°	204.7	204.2	205.6	206.4	206.8	206.8
44.5°	202.4	201.9	203.3	204.3	204.5	204.6

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	200.4	199.9	201.1	201.9	202.6	202.3
45.5°	197.8	197.5	198.8	199.7	200.2	200.1
46°	195.7	195.3	196.7	197.5	197.9	197.7
46.5°	193.6	192.8	194.3	195.3	195.4	195.5
47°	191.2	190.8	192.0	192.9	193.7	193.2
47.5°	188.8	188.3	189.7	190.7	190.5	190.9
48°	186.5	186.2	187.5	188.3	189.3	188.5
48.5°	184.3	183.7	185.1	186.1	185.1	186.3
49°	181.9	181.5	182.8	183.8	185.1	183.9
49.5°	179.6	179.2	180.5	181.5	181.5	181.7
50°	177.4	177.0	178.1	179.1	179.1	179.2
50.5°	175.0	174.5	175.7	176.9	177.1	176.9
51°	172.6	172.3	173.4	174.5	174.9	174.5
51.5°	170.4	170.0	171.0	172.2	172.2	172.3
52°	168.0	167.6	168.7	169.8	170.4	169.8
52.5°	165.8	165.3	166.4	167.5	167.9	167.5
53°	163.3	163.0	164.1	165.2	165.3	165.2
53.5°	161.2	160.6	161.7	162.8	163.4	162.9
54°	158.6	158.3	159.4	160.5	160.3	160.4
54.5°	156.1	155.9	157.2	158.1	158.7	158.2
55°	154.4	153.7	154.8	155.7	155.8	155.8
55.5°	151.8	151.3	152.6	153.2	153.9	153.6
56°	149.3	148.9	150.3	151.2	151.1	151.0
56.5°	147.1	146.5	147.9	148.4	149.0	148.8
57°	144.7	144.2	145.5	146.2	146.3	146.4
57.5°	142.3	141.8	143.2	143.8	144.1	144.0
58°	139.9	139.4	140.9	141.4	141.5	141.6
58.5°	137.6	137.0	138.6	138.9	139.1	139.3
59°	135.1	134.6	136.0	136.7	137.0	136.8
59.5°	132.8	132.2	133.7	134.2	134.8	134.5
60°	130.4	129.9	131.3	131.8	132.0	132.0
60.5°	128.0	127.4	128.9	129.4	129.5	129.5
61°	125.7	125.0	126.6	127.1	127.4	127.1
61.5°	123.3	122.7	124.1	124.6	124.9	124.8
62°	121.0	120.3	121.7	122.3	122.5	122.3
62.5°	118.5	117.9	119.3	119.7	120.1	119.9
63°	116.0	115.5	116.7	117.4	117.7	117.4
63.5°	113.6	113.2	114.4	114.9	115.2	115.0
64°	111.3	110.8	112.0	112.5	112.7	112.5
64.5°	108.9	108.3	109.5	110.0	110.2	110.1
65°	106.5	106.0	107.1	107.6	107.8	107.6
65.5°	104.0	103.6	104.7	105.1	105.3	105.2
66°	101.6	101.1	102.2	102.6	102.9	102.7
66.5°	99.3	98.7	99.8	100.2	100.5	100.3
67°	96.7	96.3	97.3	97.9	98.2	97.9

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	94.4	94.3	95.0	95.4	95.5	95.4
68°	92.0	91.5	92.6	93.0	93.3	93.0
68.5°	89.6	89.2	90.2	90.6	90.9	90.6
69°	87.2	86.9	87.7	88.2	88.4	88.2
69.5°	84.8	84.6	85.3	85.7	86.0	85.7
70°	82.5	82.0	83.0	83.4	83.6	83.3
70.5°	80.1	79.9	80.6	81.0	81.2	80.9
71°	77.8	77.6	78.1	78.7	78.9	78.6
71.5°	75.4	75.0	75.8	76.4	76.5	76.2
72°	73.1	72.9	73.4	74.1	74.1	73.8
72.5°	70.8	70.6	71.1	71.7	71.8	71.4
73°	68.5	68.3	68.8	69.5	69.5	69.1
73.5°	66.2	66.0	66.5	67.1	67.2	66.7
74°	64.1	63.8	64.2	64.9	64.9	64.5
74.5°	61.8	61.4	61.9	62.5	62.6	62.1
75°	59.5	59.3	59.6	60.4	60.3	59.8
75.5°	57.3	57.0	57.4	58.0	58.1	57.6
76°	55.1	54.8	55.1	55.8	55.7	55.3
76.5°	52.9	52.6	52.8	53.6	53.6	53.0
77°	50.8	50.4	50.7	51.3	51.3	50.8
77.5°	48.6	48.2	48.6	49.1	49.1	48.6
78°	46.4	46.1	46.3	47.0	46.9	46.4
78.5°	44.3	43.9	44.3	44.8	44.7	44.3
79°	42.1	41.8	42.1	42.6	42.6	42.1
79.5°	40.1	39.6	40.0	40.4	40.4	39.9
80°	37.9	37.7	37.9	38.3	38.3	37.8
80.5°	35.9	35.7	35.9	36.3	36.1	35.8
81°	33.8	33.6	33.9	34.2	34.1	33.8
81.5°	31.8	31.6	31.9	32.2	32.1	31.7
82°	29.7	29.6	29.9	30.2	30.0	29.7
82.5°	27.8	27.5	27.8	28.1	28.0	27.6
83°	25.7	25.5	25.8	26.1	26.0	25.6
83.5°	23.8	23.5	23.9	24.1	24.1	23.6
84°	21.9	21.7	21.9	22.1	22.1	21.7
84.5°	20.0	19.7	20.1	20.3	20.2	19.8
85°	18.1	17.8	18.2	18.4	18.3	17.9
85.5°	16.2	15.9	16.3	16.5	16.4	16.0
86°	14.4	14.1	14.5	14.6	14.6	14.2
86.5°	12.6	12.3	12.7	12.8	12.7	12.4
87°	10.9	10.5	10.9	11.1	10.9	10.7
87.5°	9.2	8.8	9.3	9.4	9.3	9.0
88°	7.4	7.2	7.7	7.8	7.7	7.4
88.5°	5.7	5.5	6.0	6.1	6.0	5.7
89°	3.9	3.6	4.2	4.3	4.1	3.8
89.5°	2.3	2.7	3.4	3.5	3.3	2.9

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	1.1	1.9	2.5	2.6	2.5	1.9
90.5°	0.4	1.0	1.7	1.8	1.7	1.0
91°	0.1	0.1	0.9	0.9	0.9	0.1
91.5°	0.1	0.1	0.1	0.1	0.1	0.0
92°	0.1	0.1	0.1	0.1	0.0	0.0
92.5°	0.1	0.1	0.1	0.1	0.0	0.0
93°	0.1	0.1	0.1	0.1	0.0	0.0
93.5°	0.1	0.1	0.1	0.1	0.0	0.0
94°	0.1	0.1	0.1	0.1	0.1	0.0
94.5°	0.1	0.1	0.1	0.1	0.1	0.0
95°	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.1	0.1	0.1	0.1	0.1	0.1
96.5°	0.1	0.1	0.1	0.1	0.1	0.1
97°	0.1	0.1	0.1	0.1	0.1	0.1
97.5°	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.1	0.1	0.1	0.1	0.1	0.1
99°	0.1	0.1	0.1	0.1	0.1	0.1
99.5°	0.1	0.1	0.1	0.1	0.1	0.1
100°	0.1	0.1	0.1	0.1	0.1	0.1
100.5°	0.1	0.1	0.1	0.1	0.1	0.1
101°	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.1	0.1	0.1	0.1	0.1	0.1
104°	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
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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-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	0.2	0.1	0.1	0.1
128°	0.2	0.1	0.2	0.1	0.1	0.1
128.5°	0.2	0.2	0.2	0.2	0.1	0.1
129°	0.2	0.2	0.2	0.2	0.1	0.1
129.5°	0.2	0.2	0.2	0.2	0.1	0.1
130°	0.2	0.2	0.2	0.2	0.1	0.1
130.5°	0.2	0.2	0.2	0.2	0.1	0.1
131°	0.2	0.2	0.2	0.2	0.2	0.1
131.5°	0.2	0.2	0.2	0.2	0.2	0.1
132°	0.2	0.2	0.2	0.2	0.2	0.1
132.5°	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	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: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.3	0.2	0.2	0.2
158°	0.3	0.2	0.3	0.2	0.2	0.2
158.5°	0.3	0.2	0.3	0.2	0.2	0.2
159°	0.3	0.2	0.3	0.2	0.2	0.2
159.5°	0.3	0.2	0.3	0.2	0.2	0.2
160°	0.3	0.2	0.3	0.2	0.2	0.2
160.5°	0.3	0.2	0.3	0.2	0.2	0.2
161°	0.3	0.2	0.3	0.2	0.2	0.2
161.5°	0.3	0.2	0.3	0.2	0.2	0.2
162°	0.3	0.2	0.3	0.2	0.2	0.2
162.5°	0.3	0.2	0.3	0.2	0.2	0.2
163°	0.3	0.2	0.3	0.3	0.2	0.2
163.5°	0.3	0.2	0.3	0.3	0.2	0.2
164°	0.3	0.2	0.3	0.3	0.2	0.2
164.5°	0.3	0.2	0.3	0.3	0.2	0.2
165°	0.3	0.2	0.3	0.3	0.2	0.2
165.5°	0.3	0.2	0.3	0.3	0.2	0.2
166°	0.3	0.2	0.3	0.3	0.3	0.2
166.5°	0.3	0.2	0.3	0.3	0.3	0.2
167°	0.3	0.2	0.3	0.3	0.3	0.2
167.5°	0.3	0.2	0.3	0.3	0.3	0.2
168°	0.3	0.2	0.3	0.3	0.3	0.2
168.5°	0.3	0.2	0.3	0.3	0.3	0.2
169°	0.3	0.2	0.3	0.3	0.3	0.2
169.5°	0.3	0.2	0.3	0.3	0.3	0.2
170°	0.3	0.2	0.3	0.3	0.3	0.2
170.5°	0.3	0.2	0.3	0.3	0.3	0.2
171°	0.3	0.2	0.3	0.3	0.3	0.2
171.5°	0.3	0.2	0.3	0.4	0.3	0.2
172°	0.3	0.2	0.3	0.4	0.3	0.2
172.5°	0.3	0.2	0.4	0.3	0.2	0.2
173°	0.3	0.3	0.3	0.3	0.2	0.2
173.5°	0.3	0.3	0.3	0.3	0.2	0.2
174°	0.3	0.3	0.3	0.2	0.2	0.2
174.5°	0.3	0.3	0.2	0.2	0.2	0.2
175°	0.3	0.2	0.2	0.2	0.2	0.2
175.5°	0.3	0.2	0.2	0.2	0.2	0.2
176°	0.3	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: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-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

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

TEST NUMBER: P1596627
CATALOG NUMBER: HLB3LSFS5-MED-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	27.59	29.23	27.96	29.54	29.86	27.41	29.04	27.78	29.36	29.68
	3H	29.44	30.92	29.82	31.25	31.61	29.21	30.69	29.59	31.02	31.38
	4H	30.16	31.55	30.56	31.90	32.28	29.90	31.29	30.30	31.64	32.02
	6H	30.72	32.01	31.13	32.38	32.77	30.43	31.72	30.84	32.09	32.48
	8H	30.92	32.15	31.34	32.54	32.94	30.61	31.84	31.04	32.23	32.64
	12H	31.02	32.20	31.45	32.58	33.02	30.69	31.88	31.12	32.26	32.69
4H	2H	28.23	29.62	28.63	29.97	30.35	28.05	29.44	28.45	29.79	30.17
	3H	30.30	31.47	30.71	31.87	32.27	30.07	31.24	30.48	31.63	32.04
	4H	31.15	32.21	31.59	32.63	33.07	30.88	31.94	31.32	32.36	32.80
	6H	31.86	32.78	32.31	33.22	33.68	31.55	32.47	32.00	32.91	33.37
	8H	32.11	32.98	32.57	33.42	33.89	31.78	32.64	32.24	33.09	33.55
	12H	32.28	33.06	32.76	33.54	34.01	31.92	32.70	32.40	33.18	33.65
8H	4H	31.48	32.35	31.95	32.80	33.26	31.21	32.08	31.67	32.52	32.99
	6H	32.32	33.04	32.82	33.53	34.01	32.00	32.72	32.49	33.21	33.69
	8H	32.66	33.31	33.17	33.82	34.31	32.31	32.96	32.82	33.46	33.95
	12H	32.93	33.50	33.44	33.99	34.56	32.53	33.11	33.04	33.60	34.16
12H	4H	31.52	32.30	32.01	32.78	33.25	31.25	32.03	31.73	32.51	32.98
	6H	32.39	33.04	32.90	33.55	34.03	32.07	32.72	32.58	33.22	33.71
	8H	32.79	33.37	33.30	33.86	34.42	32.43	33.01	32.94	33.50	34.06

END OF REPORT