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: P1596642

Luminaire Tested: HLB3SLSFS5-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:	P1596642
	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-MED-5000K
Description:	HLB3 3" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	5000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

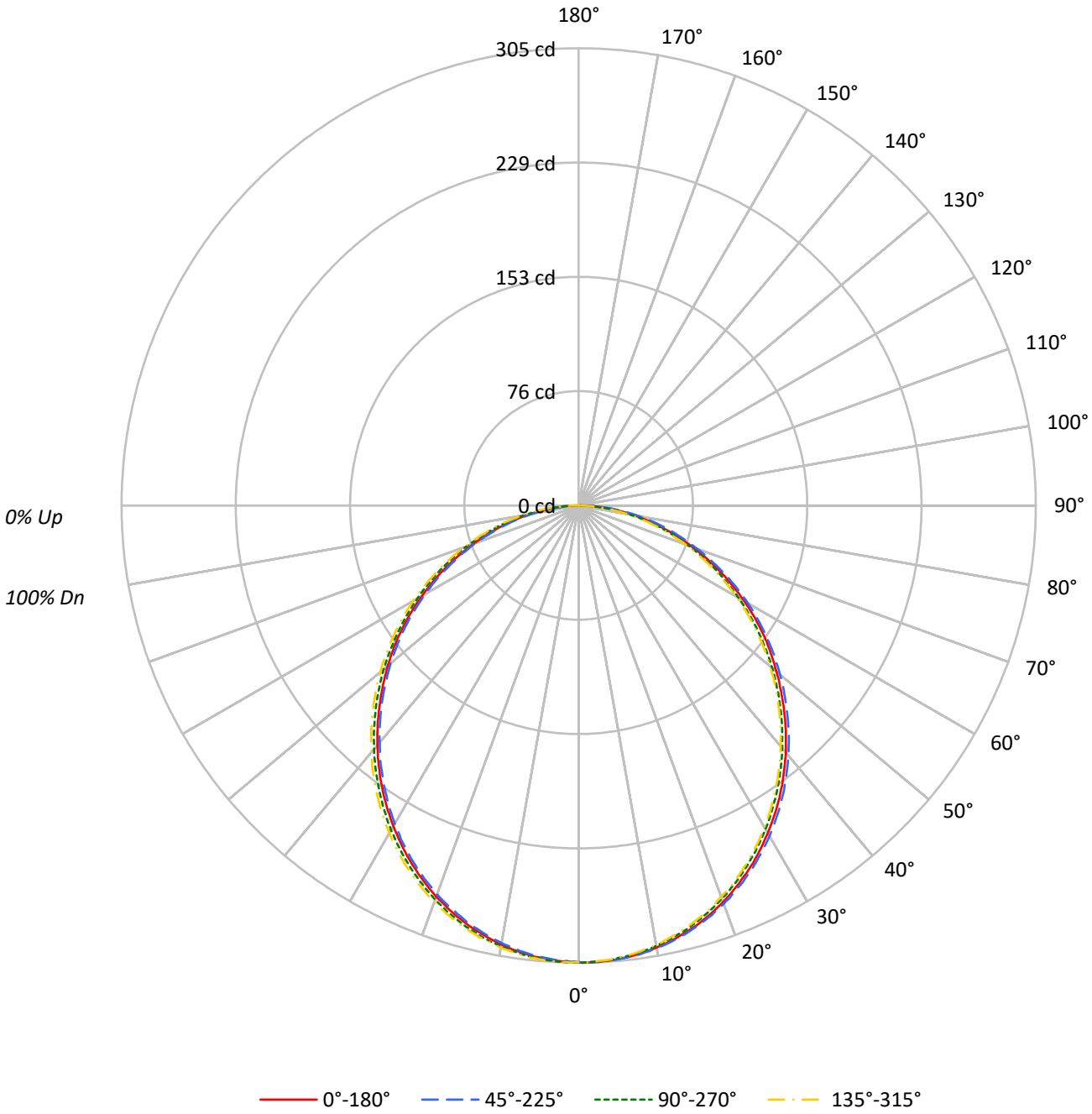
Lumens per Lamp:	N/A
Luminaire Lumens:	835.1 lumens
Efficiency:	N/A
Efficacy:	99.4 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.14' x L: 0.14' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-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	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°	169400	169400	169400	169400
5°	169490	169099	168820	169266
10°	168966	168345	167894	168571
15°	167954	166976	166285	167321
20°	166492	165190	164244	165545
25°	164468	162813	161648	163242
30°	161979	159989	158642	160567
35°	159035	156796	155236	157474
40°	155985	153301	151560	154027
45°	152324	149573	147530	150438
50°	148976	145691	143616	146642
55°	145926	141469	139434	142632
60°	141723	136832	134275	138166
65°	136637	132165	128220	133743
70°	130973	126423	120736	128373
75°	125405	119608	113165	122614
80°	119702	110420	103379	114901
85°	112870	93101	84174	102667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 89.5°
Luminance: 248383 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	3.4
10°-20°	81.9	9.8
20°-30°	122.5	14.7
30°-40°	145.0	17.4
40°-50°	147.4	17.7
50°-60°	131.5	15.7
60°-70°	100.1	12.0
70°-80°	59.5	7.1
80°-90°	17.5	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°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	233.2	27.9
0°-40°	378.1	45.3
0°-60°	657.1	78.7
0°-90°	834.2	99.9
90°-120°	0.4	0.0
90°-150°	0.7	0.1
90°-180°	1.0	0.1
0°-180°	835.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	305	305	305	305	305	
5°	304	303	303	303	304	29
15°	292	290	289	291	292	82
25°	268	266	264	266	268	124
35°	234	231	229	232	234	147
45°	194	190	188	191	194	150
55°	151	146	144	147	151	134
65°	104	100	98	102	104	103
75°	58	56	53	57	58	62
85°	18	15	13	16	18	18
90°	2	0	0	1	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: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8
0.5°	*305.1*	*304.8*	*304.4*	*304.7*	*305.1*	*304.9*	*305.0*	*305.0*	*304.9*	*304.6*	*304.3*
1°	304.9	304.8	304.8	304.7	304.8	304.8	304.9	304.9	304.8	304.3	304.4
1.5°	305.0	304.7	304.8	304.8	304.7	304.8	304.7	304.7	304.5	304.2	304.0
2°	304.9	304.6	304.6	304.6	304.6	304.5	304.6	304.6	304.4	304.0	304.2
2.5°	304.8	304.7	304.5	304.6	304.5	304.5	304.2	304.5	304.2	303.6	303.6
3°	304.5	304.4	304.4	304.5	304.4	304.2	304.1	304.1	304.0	303.6	303.5
3.5°	304.5	304.6	304.2	304.4	304.0	303.9	303.9	303.8	303.8	303.0	303.1
4°	304.3	304.3	304.5	304.0	304.1	303.6	303.6	303.5	303.5	302.6	302.8
4.5°	304.0	304.2	304.0	304.0	303.6	303.5	303.3	303.3	303.1	302.4	302.4
5°	303.8	304.1	303.9	303.6	303.1	302.9	302.9	302.7	302.6	302.0	302.2
5.5°	303.4	303.8	303.6	303.3	302.8	302.7	302.5	302.5	302.5	301.5	301.5
6°	303.2	303.4	303.4	303.3	302.4	302.3	302.1	301.9	302.0	301.0	301.3
6.5°	302.9	303.2	302.9	302.8	302.1	301.8	301.6	301.4	301.4	300.4	300.7
7°	302.5	302.9	302.7	302.3	301.4	301.4	301.3	301.1	300.9	299.9	300.2
7.5°	301.9	302.4	302.4	302.1	301.3	301.0	300.6	300.5	300.5	299.4	299.7
8°	301.6	302.2	301.9	301.5	300.6	300.3	300.1	299.9	299.9	298.7	298.9
8.5°	301.2	301.8	301.3	301.1	300.2	300.0	299.5	299.4	299.4	298.1	298.4
9°	300.5	301.1	301.1	300.7	299.5	299.2	298.9	298.7	298.8	297.4	297.7
9.5°	300.0	300.8	300.3	300.1	299.1	298.7	298.3	298.1	298.1	296.7	297.1
10°	299.4	300.2	300.0	299.3	298.3	298.0	297.6	297.2	297.5	296.1	296.4
10.5°	298.9	299.9	299.3	299.0	297.6	297.2	297.1	296.8	296.8	295.2	295.6
11°	298.3	298.9	298.8	298.1	297.0	296.5	296.2	296.0	295.8	294.4	294.9
11.5°	297.6	298.5	298.1	297.7	296.4	295.9	295.5	295.2	295.1	293.4	293.9
12°	296.8	298.0	297.5	297.0	295.4	294.9	294.6	294.4	294.3	292.8	293.3
12.5°	296.1	297.1	296.8	296.3	294.9	294.3	293.9	293.5	293.5	291.9	292.3
13°	295.5	296.4	295.9	295.3	293.9	293.3	293.0	292.7	292.6	291.0	291.5
13.5°	294.4	295.7	295.2	294.8	293.2	292.7	292.2	291.8	291.8	289.9	290.4
14°	293.8	294.9	294.7	293.9	292.3	291.7	291.1	290.9	290.9	289.1	289.6
14.5°	292.9	294.3	293.7	293.0	291.4	290.6	290.4	290.1	290.0	288.0	288.5
15°	291.9	293.3	292.9	292.2	290.2	289.8	289.3	289.0	289.0	287.1	287.8
15.5°	291.3	292.6	291.9	291.3	289.4	288.7	288.4	288.0	288.0	286.0	286.5
16°	290.3	291.7	291.0	290.3	288.5	287.9	287.2	287.0	286.8	284.9	285.3
16.5°	289.2	290.8	290.1	289.5	287.4	286.7	286.3	285.8	286.0	283.8	284.4
17°	288.2	289.8	289.3	288.4	286.2	285.6	285.3	284.7	284.8	282.5	283.0
17.5°	287.2	288.7	288.2	287.4	285.2	284.5	284.1	283.6	283.7	281.5	282.2
18°	286.1	287.8	287.4	286.3	284.0	283.5	283.1	282.4	282.5	280.4	281.0
18.5°	285.1	286.9	286.0	285.3	283.0	282.2	281.7	281.3	281.2	279.1	279.8
19°	283.8	285.6	285.4	284.0	281.8	280.9	280.6	280.2	280.0	277.8	278.5
19.5°	282.7	284.7	283.9	283.1	280.5	279.6	279.1	278.9	279.0	276.5	277.4
20°	281.5	283.3	282.9	281.8	279.3	278.5	278.1	277.6	277.7	275.2	276.1
20.5°	280.3	282.1	281.5	280.6	278.0	277.3	276.6	276.4	276.3	273.9	274.6
21°	279.1	281.0	280.7	279.5	276.8	275.9	275.6	275.2	275.0	272.5	273.3
21.5°	277.8	279.7	279.1	278.3	275.4	274.6	274.1	273.8	273.7	271.2	271.9
22°	276.5	278.6	278.1	276.7	274.0	273.2	273.0	272.3	272.2	269.8	270.7

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	275.1	277.4	276.6	275.7	272.8	271.9	271.3	271.0	270.9	268.2	269.3
23°	273.9	276.0	275.3	274.2	271.4	270.5	270.1	269.5	269.4	267.0	267.8
23.5°	272.3	274.6	274.2	273.0	269.9	269.2	268.6	268.1	268.2	265.6	266.2
24°	271.0	273.4	272.7	271.6	268.4	267.6	267.2	266.6	266.5	263.9	264.9
24.5°	269.7	272.0	271.3	270.4	267.0	266.2	265.6	265.0	265.0	262.4	263.3
25°	268.2	270.6	270.1	268.7	265.5	264.6	264.2	263.7	263.6	260.9	261.9
25.5°	266.8	269.1	268.7	267.4	263.9	263.2	262.6	262.1	261.9	259.3	260.3
26°	265.4	267.6	267.0	265.7	262.3	261.7	261.1	260.5	260.5	257.8	258.7
26.5°	263.7	266.5	265.7	264.4	260.9	259.9	259.4	259.0	258.9	256.0	257.0
27°	262.2	264.5	263.9	262.7	259.4	258.4	258.0	257.4	257.3	254.5	255.4
27.5°	260.5	263.2	262.6	261.3	257.7	256.9	256.3	255.9	255.6	252.9	253.8
28°	259.0	261.7	261.0	259.7	256.0	255.2	254.8	254.2	253.9	251.0	252.3
28.5°	257.3	260.2	259.4	258.2	254.4	253.5	253.1	252.4	252.3	249.5	250.4
29°	255.7	258.5	257.8	256.5	252.8	251.8	251.4	250.8	250.5	247.8	248.7
29.5°	254.0	256.9	256.3	255.0	251.1	250.2	249.6	249.0	248.9	246.0	247.1
30°	252.4	255.3	254.6	253.2	249.3	248.3	248.0	247.4	247.2	244.2	245.4
30.5°	250.7	253.6	252.9	251.6	247.7	246.7	246.1	245.5	245.4	242.4	243.5
31°	248.9	252.1	251.1	249.8	245.9	245.0	244.5	243.8	243.6	240.8	241.7
31.5°	247.2	250.3	249.6	248.3	244.1	243.2	242.6	242.0	241.7	238.8	239.8
32°	245.5	248.5	247.8	246.3	242.3	241.4	240.9	240.2	240.1	237.0	238.2
32.5°	243.8	246.9	246.0	244.8	240.5	239.5	239.0	238.4	238.3	235.2	236.2
33°	242.0	245.1	244.3	242.8	238.5	237.9	237.1	236.5	236.3	233.3	234.4
33.5°	240.2	243.3	242.6	241.0	236.7	235.8	235.3	234.8	234.5	231.4	232.3
34°	238.3	241.6	240.7	239.1	235.0	234.1	233.4	233.0	232.7	229.6	230.6
34.5°	236.6	239.7	238.9	237.4	233.2	232.2	231.6	231.0	230.7	227.5	228.6
35°	234.4	237.8	237.1	235.4	231.1	230.0	229.6	229.0	228.8	225.7	226.9
35.5°	232.6	236.1	235.2	233.6	229.2	228.3	227.5	227.0	226.8	223.7	224.8
36°	230.9	234.1	233.4	231.8	227.3	226.4	225.8	225.1	225.0	221.7	222.8
36.5°	228.9	232.4	231.4	229.8	225.4	224.5	223.7	223.2	223.1	219.9	220.8
37°	226.9	230.3	229.5	228.0	223.3	222.4	221.8	221.3	220.8	217.7	219.0
37.5°	224.9	228.5	227.5	225.8	221.6	220.6	219.8	219.1	219.0	215.8	217.0
38°	222.9	226.6	225.6	224.0	219.5	218.4	217.8	217.3	216.9	213.8	214.8
38.5°	221.0	224.5	223.7	222.0	217.4	216.6	215.8	215.2	215.1	211.7	212.8
39°	219.0	222.6	221.6	220.1	215.4	214.6	213.6	213.3	212.9	209.7	210.7
39.5°	217.0	220.7	219.7	218.0	213.4	212.5	211.7	211.1	210.9	207.5	208.5
40°	215.0	218.7	217.7	216.1	211.3	210.3	209.7	209.1	208.9	205.6	206.5
40.5°	212.9	216.7	215.8	213.8	209.4	208.4	207.5	207.1	206.7	203.4	204.6
41°	210.7	214.5	213.5	212.1	207.0	206.3	205.5	205.0	204.6	201.4	202.4
41.5°	208.7	212.5	211.6	210.0	205.2	204.2	203.5	202.9	202.7	199.3	200.4
42°	206.6	210.3	209.5	207.8	203.0	202.2	201.3	200.8	200.5	197.3	198.3
42.5°	204.6	208.5	207.5	205.7	200.9	200.1	199.3	198.7	198.4	195.0	196.2
43°	202.4	206.3	205.4	203.8	198.7	197.9	197.1	196.8	196.3	193.0	194.0
43.5°	200.3	204.4	203.2	201.6	196.8	195.9	195.0	194.5	194.1	190.8	191.9
44°	198.2	202.2	201.2	199.5	194.6	193.7	192.9	192.5	192.0	188.7	189.7
44.5°	196.1	200.0	199.0	197.2	192.5	191.6	190.9	190.3	189.8	186.5	187.5

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	193.8	197.9	196.9	195.2	190.3	189.4	188.5	188.2	187.7	184.3	185.5
45.5°	191.8	195.9	194.7	193.2	188.2	187.3	186.6	186.1	185.6	182.2	183.3
46°	189.6	193.6	192.7	191.1	186.0	185.1	184.3	183.9	183.4	180.0	181.2
46.5°	187.5	191.5	190.5	188.9	183.9	183.0	182.2	181.8	181.2	177.9	178.9
47°	185.2	189.4	188.3	186.8	181.6	180.8	179.9	179.5	179.0	175.7	176.7
47.5°	183.1	187.3	186.2	184.5	179.4	178.6	177.7	177.3	177.0	173.6	174.5
48°	180.8	185.1	184.1	182.3	177.3	176.5	175.6	175.1	174.7	171.2	172.4
48.5°	178.8	183.0	181.9	180.2	175.1	174.4	173.5	172.9	172.5	169.1	170.2
49°	176.7	180.8	179.8	178.1	173.0	172.1	171.2	170.8	170.3	167.0	168.0
49.5°	174.3	178.6	177.5	175.7	170.8	170.0	168.9	168.5	168.3	164.6	165.7
50°	172.3	176.4	175.4	173.6	168.5	167.8	166.8	166.3	166.1	162.5	163.6
50.5°	170.0	174.3	173.2	171.4	166.3	165.7	164.5	164.1	163.9	160.1	161.5
51°	168.0	172.1	171.1	169.3	164.0	163.4	162.3	161.8	161.8	158.0	159.2
51.5°	165.8	170.0	168.7	167.1	161.8	161.2	159.9	159.5	159.6	155.8	156.9
52°	163.6	167.5	166.7	164.9	159.6	158.9	157.9	157.4	157.3	153.6	154.6
52.5°	161.4	165.6	164.5	162.7	157.4	156.9	155.6	155.0	155.2	151.2	152.5
53°	159.4	163.2	162.2	160.5	155.0	154.4	153.3	152.7	153.0	148.9	150.1
53.5°	157.1	160.9	159.9	158.3	152.7	152.2	151.1	150.4	150.7	146.6	148.0
54°	155.1	158.7	157.7	156.1	150.5	150.0	148.8	148.2	148.4	144.3	145.6
54.5°	153.0	156.4	155.4	154.0	148.2	147.7	146.5	145.9	146.1	142.1	143.4
55°	150.6	154.1	153.1	151.7	146.0	145.5	144.3	143.7	143.9	139.8	141.1
55.5°	148.3	151.8	150.9	149.5	143.8	143.3	142.1	141.4	141.6	137.5	138.9
56°	146.0	149.5	148.6	147.3	141.4	140.9	139.7	139.3	139.3	135.2	136.6
56.5°	143.7	147.3	146.3	145.1	139.2	138.5	137.4	136.8	137.0	133.0	134.3
57°	141.3	145.0	144.1	142.8	136.8	136.3	135.2	134.6	134.7	130.7	132.1
57.5°	139.2	142.8	141.7	140.5	134.5	134.0	133.0	132.4	132.5	128.5	129.8
58°	136.9	140.4	139.5	138.3	132.4	131.6	130.5	130.0	130.0	126.2	127.5
58.5°	134.5	138.1	137.1	135.8	130.0	129.3	128.3	127.7	127.8	123.9	125.2
59°	132.2	135.8	134.9	133.6	127.8	127.0	126.0	125.4	125.5	121.6	122.9
59.5°	129.8	133.6	132.6	131.3	125.4	124.7	123.7	123.1	123.1	119.4	120.5
60°	127.5	131.2	130.3	128.9	123.1	122.4	121.4	120.9	120.8	117.1	118.3
60.5°	125.2	129.1	128.0	126.7	120.9	120.0	119.1	118.5	118.4	114.8	116.0
61°	122.8	126.7	125.7	124.3	118.5	117.7	116.8	116.2	116.0	112.5	113.7
61.5°	120.5	124.4	123.3	121.9	116.4	115.4	114.4	113.9	113.8	110.2	111.4
62°	118.1	122.2	121.0	119.6	114.0	113.0	112.2	111.6	111.4	107.8	109.0
62.5°	115.7	120.0	118.7	117.3	111.8	110.6	109.9	109.3	109.2	105.6	106.7
63°	113.4	117.6	116.4	114.9	109.5	108.3	107.5	107.1	106.7	103.3	104.4
63.5°	111.0	115.3	114.1	112.7	107.3	106.0	105.2	104.6	104.4	100.9	102.0
64°	108.7	113.0	111.7	110.3	105.0	103.7	102.8	102.4	102.1	98.7	99.7
64.5°	106.3	110.6	109.4	107.9	102.8	101.4	100.5	100.1	99.8	96.4	97.4
65°	103.9	108.4	107.0	105.6	100.5	99.1	98.2	97.9	97.5	94.1	95.1
65.5°	101.6	106.0	104.7	103.3	98.3	96.7	95.9	95.5	95.1	91.8	92.8
66°	99.3	103.6	102.3	101.0	96.0	94.4	93.6	93.3	92.8	89.5	90.5
66.5°	96.9	101.4	100.0	98.6	93.7	92.1	91.3	90.9	90.5	87.4	88.3
67°	94.6	99.0	97.7	96.2	91.4	89.8	89.1	88.8	88.2	85.0	85.9

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	92.2	96.7	95.4	94.0	89.2	87.5	86.9	86.5	85.9	82.8	83.8
68°	89.9	94.5	93.0	91.6	86.8	85.2	84.6	84.3	83.6	80.6	81.5
68.5°	87.6	92.1	90.8	89.4	84.6	83.0	82.3	82.1	81.3	78.4	79.3
69°	85.2	89.9	88.4	87.1	82.3	80.8	80.1	79.8	79.0	76.2	77.0
69.5°	82.9	87.6	86.2	84.7	80.1	78.5	77.9	77.6	76.6	73.9	74.7
70°	80.6	85.3	83.9	82.4	77.8	76.3	75.6	75.3	74.3	71.7	72.5
70.5°	78.3	83.1	81.7	80.1	75.5	74.0	73.4	73.1	72.3	69.5	70.3
71°	76.1	80.8	79.4	77.9	73.3	71.8	71.2	70.9	70.1	67.2	68.1
71.5°	73.8	78.6	77.2	75.6	71.1	69.5	68.9	68.8	67.8	65.1	66.0
72°	71.6	76.3	75.0	73.4	68.9	67.4	66.7	66.5	65.6	62.9	63.8
72.5°	69.3	74.1	72.8	71.1	66.7	65.2	64.5	64.4	63.4	60.7	61.6
73°	67.1	71.9	70.6	68.9	64.5	63.0	62.4	62.1	61.2	58.6	59.5
73.5°	64.9	69.6	68.4	66.7	62.3	60.8	60.3	60.0	59.1	56.4	57.3
74°	62.8	67.5	66.3	64.5	60.1	58.7	58.0	57.8	57.0	54.2	55.2
74.5°	60.6	65.2	64.1	62.3	58.0	56.6	55.9	55.7	54.9	52.1	53.1
75°	58.4	63.1	61.9	60.2	55.7	54.5	53.7	53.5	52.7	49.9	50.9
75.5°	56.2	60.8	59.9	58.0	53.6	52.3	51.6	51.3	50.6	47.8	48.8
76°	54.2	58.7	57.6	55.8	51.4	50.2	49.5	49.1	48.5	45.7	46.6
76.5°	52.0	56.5	55.6	53.7	49.3	48.2	47.3	47.0	46.4	43.6	44.6
77°	49.9	54.3	53.3	51.5	47.1	46.0	45.1	44.9	44.5	41.5	42.5
77.5°	47.8	52.1	51.2	49.4	45.0	44.0	43.1	42.8	42.4	39.4	40.4
78°	45.8	50.0	49.1	47.3	42.8	42.0	41.0	40.7	40.4	37.3	38.3
78.5°	43.7	47.9	47.0	45.2	40.8	39.8	38.9	38.6	38.3	35.3	36.2
79°	41.5	45.7	44.8	43.2	38.6	37.7	36.8	36.5	36.3	33.2	34.2
79.5°	39.5	43.6	42.7	41.1	36.5	35.7	34.8	34.4	34.3	31.2	32.2
80°	37.4	41.5	40.6	39.0	34.5	33.7	32.7	32.4	32.3	29.1	30.2
80.5°	35.5	39.4	38.6	36.9	32.4	31.6	30.7	30.4	30.3	27.2	28.2
81°	33.5	37.3	36.4	35.0	30.4	29.6	28.6	28.3	28.4	25.2	26.2
81.5°	31.5	35.3	34.4	33.0	28.4	27.6	26.7	26.3	26.4	23.2	24.2
82°	29.5	33.2	32.3	31.0	26.3	25.6	24.6	24.3	24.5	21.2	22.3
82.5°	27.5	31.1	30.3	29.0	24.3	23.5	22.7	22.4	22.6	19.3	20.3
83°	25.5	29.1	28.3	27.0	22.4	21.6	20.7	20.4	20.7	17.4	18.4
83.5°	23.5	27.0	26.3	25.0	20.4	19.6	18.8	18.5	18.8	15.6	16.5
84°	21.6	25.0	24.2	23.0	18.4	17.7	16.9	16.6	17.0	13.7	14.7
84.5°	19.6	22.9	22.2	21.0	16.5	15.7	15.0	14.7	15.1	11.9	12.8
85°	17.7	21.0	20.3	19.0	14.6	13.8	13.1	12.8	13.2	10.1	11.0
85.5°	15.8	19.0	18.3	17.1	12.7	11.9	11.3	11.0	11.4	8.3	9.2
86°	13.9	17.0	16.3	15.1	10.8	10.1	9.4	9.2	9.6	6.6	7.3
86.5°	12.0	15.1	14.3	13.3	9.0	8.3	7.6	7.5	7.9	4.8	5.5
87°	10.1	13.2	12.4	11.3	7.1	6.4	5.7	5.7	6.1	3.1	3.7
87.5°	8.3	11.3	10.5	9.4	5.3	4.6	3.9	3.9	4.3	1.6	2.1
88°	6.4	9.4	8.6	7.6	3.5	2.7	2.3	2.3	2.7	0.7	0.9
88.5°	4.6	7.6	6.7	5.6	1.7	1.1	1.0	1.0	1.3	0.2	0.4
89°	2.9	5.7	4.8	3.9	0.4	0.3	0.3	0.4	0.5	0.1	0.1
89.5°	2.2	3.9	3.0	2.9	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: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.5	2.9	2.2	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
90.5°	0.7	2.0	1.5	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91°	0.0	1.0	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91.5°	0.0	0.1	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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.0	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: P1596642
CATALOG NUMBER: HLB3SLSFS5-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	0.1
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	0.2
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
133.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
134°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2
134.5°	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: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-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	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.1	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	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
157°	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: P1596642
CATALOG NUMBER: HLB3SLSFS5-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	0.2	0.2	0.2	0.2	0.2
158°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
159°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
159.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
160°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
160.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
161°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
161.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3
162°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3
162.5°	0.2	0.2	0.2	0.2	0.2	0.2	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	0.2	0.2	0.3	0.3	0.3	0.3	0.3
171°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
171.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
172°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
172.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
173°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
173.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
174.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-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: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	304.8	304.8	304.8	304.8	*304.8*	304.8
0.5°	*304.7*	*305.1*	*305.0*	*304.8*	*305.2*	*305.1*
1°	304.4	304.9	305.0	305.0	*305.0*	304.9
1.5°	304.4	305.0	305.0	304.9	*305.2*	305.0
2°	304.1	304.7	304.7	304.9	*305.0*	304.9
2.5°	304.0	304.6	304.7	304.7	*304.9*	304.8
3°	303.5	304.5	304.3	304.7	*304.9*	304.5
3.5°	303.6	304.3	304.4	304.4	*304.7*	304.5
4°	303.0	304.0	303.9	304.4	*304.4*	304.3
4.5°	302.8	303.8	304.1	304.0	*304.3*	304.0
5°	302.5	303.4	303.7	304.0	*303.8*	303.8
5.5°	302.0	302.9	303.3	303.3	*303.7*	303.4
6°	301.4	302.8	303.1	303.5	*303.3*	303.2
6.5°	301.0	302.3	302.7	302.9	*303.2*	302.9
7°	300.4	301.9	302.2	302.6	*302.3*	302.5
7.5°	300.1	301.5	301.7	302.1	*302.3*	301.9
8°	299.4	300.8	301.4	301.5	*301.7*	301.6
8.5°	298.9	300.4	300.7	301.1	*301.4*	301.2
9°	298.3	299.6	300.1	300.6	*300.7*	300.5
9.5°	297.4	299.1	299.7	300.1	*300.4*	300.0
10°	296.9	298.7	299.1	299.6	*299.6*	299.4
10.5°	296.1	297.9	298.3	298.9	*299.3*	298.9
11°	295.4	297.3	297.8	298.2	*298.4*	298.3
11.5°	294.5	296.7	296.9	297.3	*297.6*	297.6
12°	293.8	295.8	296.2	296.9	*296.9*	296.8
12.5°	292.9	295.2	295.6	295.9	*296.4*	296.1
13°	292.1	294.1	294.8	295.4	*295.5*	295.5
13.5°	291.3	293.2	294.0	294.4	*294.9*	294.4
14°	290.2	292.5	293.1	293.7	*294.0*	293.8
14.5°	289.5	291.6	292.2	292.8	*293.2*	292.9
15°	288.3	290.8	291.2	292.1	*292.2*	291.9
15.5°	287.3	289.7	290.4	291.0	*291.3*	291.3
16°	286.2	288.7	289.4	290.2	*290.3*	290.3
16.5°	285.3	287.8	288.4	289.0	*289.5*	289.2
17°	284.2	286.6	287.5	288.3	*288.3*	288.2
17.5°	283.0	285.6	286.4	287.0	*287.5*	287.2
18°	281.5	284.7	285.2	286.2	*286.2*	286.1
18.5°	280.8	283.2	284.2	284.8	*285.3*	285.1
19°	279.4	282.2	283.1	284.0	*283.9*	283.8
19.5°	278.1	281.0	281.7	282.7	*283.0*	282.7
20°	276.8	279.9	280.6	281.7	*281.7*	281.5
20.5°	275.5	278.5	279.5	280.3	*280.7*	280.3
21°	274.1	277.2	278.0	279.2	*279.2*	279.1
21.5°	272.9	276.0	276.8	277.7	*278.0*	277.8
22°	271.4	274.6	275.6	276.5	*276.7*	276.5

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	270.2	273.1	274.3	275.2	*275.6*	275.1
23°	268.5	272.0	273.0	274.0	*274.0*	273.9
23.5°	267.3	270.4	271.5	272.4	*272.8*	272.3
24°	265.6	269.0	270.0	271.2	*271.3*	271.0
24.5°	264.3	267.5	268.8	269.7	*270.0*	269.7
25°	262.6	266.2	267.1	268.3	*268.5*	268.2
25.5°	261.2	264.5	265.6	266.8	*267.1*	266.8
26°	259.5	263.1	264.2	265.4	*265.4*	265.4
26.5°	258.0	261.5	262.7	263.8	*264.3*	263.7
27°	256.4	260.1	261.2	262.4	*262.4*	262.2
27.5°	254.7	258.4	259.5	260.6	*261.0*	260.5
28°	253.0	256.8	257.8	259.1	*259.4*	259.0
28.5°	251.5	255.1	256.4	257.5	*257.7*	257.3
29°	249.7	253.5	254.6	256.0	*256.2*	255.7
29.5°	248.1	251.6	253.1	254.2	*254.6*	254.0
30°	246.3	250.2	251.4	252.6	*252.9*	252.4
30.5°	244.5	248.3	249.9	250.9	*251.2*	250.7
31°	242.7	246.7	247.9	249.2	*249.5*	248.9
31.5°	240.8	244.9	246.3	247.5	*247.8*	247.2
32°	239.3	242.9	244.7	245.7	*245.9*	245.5
32.5°	237.2	241.2	242.7	243.9	*244.2*	243.8
33°	235.5	239.6	240.9	242.1	*242.3*	242.0
33.5°	233.6	237.6	239.1	240.3	*240.6*	240.2
34°	231.6	235.8	237.3	238.4	*238.8*	238.3
34.5°	229.8	233.9	235.4	236.6	*236.8*	236.6
35°	227.8	232.1	233.6	234.8	*235.2*	234.4
35.5°	226.0	230.1	231.6	232.8	*233.1*	232.6
36°	224.0	228.3	229.8	231.0	*231.3*	230.9
36.5°	222.0	226.2	227.8	229.1	*229.4*	228.9
37°	220.1	224.5	225.8	227.2	*227.4*	226.9
37.5°	218.2	222.4	223.9	225.1	*225.6*	224.9
38°	216.2	220.4	221.9	223.3	*223.5*	222.9
38.5°	214.0	218.4	219.9	221.2	*221.6*	221.0
39°	212.0	216.5	217.9	219.2	*219.5*	219.0
39.5°	210.0	214.4	216.1	217.3	*217.6*	217.0
40°	207.9	212.3	213.9	215.1	*215.5*	215.0
40.5°	205.9	210.2	211.7	213.0	*213.6*	212.9
41°	203.8	208.2	209.8	211.2	*211.5*	210.7
41.5°	201.7	206.1	207.7	208.9	*209.5*	208.7
42°	199.5	204.2	205.6	206.9	*207.3*	206.6
42.5°	197.5	201.9	203.6	204.9	*205.3*	204.6
43°	195.3	199.9	201.4	202.7	*203.1*	202.4
43.5°	193.2	197.8	199.3	200.6	*201.1*	200.3
44°	191.1	195.7	197.3	198.5	*198.9*	198.2
44.5°	188.9	193.5	195.1	196.5	*196.7*	196.1

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	186.7	191.4	193.1	194.2	*194.7*	193.8
45.5°	184.6	189.2	191.0	192.1	*192.7*	191.8
46°	182.3	187.1	188.7	190.2	*190.4*	189.6
46.5°	180.3	184.9	186.6	187.8	*188.5*	187.5
47°	178.1	182.8	184.4	185.6	*186.1*	185.2
47.5°	175.9	180.5	182.2	183.6	*183.9*	183.1
48°	173.7	178.5	180.0	181.4	*181.9*	180.8
48.5°	171.6	176.1	177.8	179.2	*179.7*	178.8
49°	169.4	174.1	175.6	177.0	*177.4*	176.7
49.5°	167.2	171.8	173.4	174.9	*175.5*	174.3
50°	164.9	169.6	171.4	172.7	*173.1*	172.3
50.5°	162.8	167.3	169.0	170.5	*171.0*	170.0
51°	160.6	165.2	166.9	168.4	*168.8*	168.0
51.5°	158.2	162.8	164.6	166.1	*166.6*	165.8
52°	156.1	160.7	162.4	163.9	*164.3*	163.6
52.5°	154.0	158.4	160.4	161.7	*162.1*	161.4
53°	151.7	156.1	158.0	159.5	*159.8*	159.4
53.5°	149.4	153.8	155.9	157.2	*157.4*	157.1
54°	147.3	151.7	153.7	154.9	*155.1*	155.1
54.5°	144.9	149.4	151.4	152.7	*153.1*	153.0
55°	142.6	147.2	149.4	150.4	*150.6*	150.6
55.5°	140.4	144.8	147.0	148.2	*148.4*	148.3
56°	138.2	142.6	144.8	145.7	*146.0*	146.0
56.5°	135.9	140.3	142.6	143.6	*143.8*	143.7
57°	133.6	138.1	140.4	141.2	*141.5*	141.3
57.5°	131.3	135.7	138.1	139.0	*139.1*	139.2
58°	129.1	133.4	135.7	136.7	*136.8*	136.9
58.5°	126.8	131.1	133.5	134.5	*134.6*	134.5
59°	124.4	129.0	131.2	132.0	*132.2*	132.2
59.5°	122.2	126.5	128.9	129.8	*130.0*	129.8
60°	119.9	124.3	126.6	127.5	*127.7*	127.5
60.5°	117.4	121.9	124.2	125.2	*125.4*	125.2
61°	115.2	119.7	121.9	122.8	*123.1*	122.8
61.5°	112.8	117.5	119.6	120.5	*120.9*	120.5
62°	110.6	115.1	117.3	118.2	*118.6*	118.1
62.5°	108.2	112.9	114.9	115.8	*116.3*	115.7
63°	105.9	110.6	112.6	113.5	*114.1*	113.4
63.5°	103.5	108.3	110.2	111.2	*111.7*	111.0
64°	101.2	106.2	107.9	108.8	*109.4*	108.7
64.5°	98.9	103.9	105.6	106.4	*107.1*	106.3
65°	96.6	101.7	103.2	104.2	*104.8*	103.9
65.5°	94.2	99.4	100.8	101.8	*102.5*	101.6
66°	91.9	97.1	98.5	99.5	*100.1*	99.3
66.5°	89.7	94.9	96.2	97.2	*97.8*	96.9
67°	87.4	92.6	93.8	94.9	*95.4*	94.6

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	85.1	90.4	91.6	92.6	*93.2*	92.2
68°	82.8	88.1	89.2	90.3	*90.9*	89.9
68.5°	80.6	85.9	86.9	88.0	*88.6*	87.6
69°	78.3	83.6	84.6	85.6	*86.5*	85.2
69.5°	76.1	81.3	82.3	83.4	*84.1*	82.9
70°	73.8	79.0	80.0	81.2	*81.9*	80.6
70.5°	71.5	76.8	77.7	79.0	*79.6*	78.3
71°	69.3	74.6	75.4	76.7	*77.4*	76.1
71.5°	67.1	72.4	73.2	74.5	*75.2*	73.8
72°	64.9	70.1	71.0	72.2	*72.9*	71.6
72.5°	62.8	68.0	68.8	70.1	*70.7*	69.3
73°	60.6	65.8	66.6	67.9	*68.5*	67.1
73.5°	58.5	63.6	64.4	65.7	*66.3*	64.9
74°	56.4	61.4	62.2	63.5	*64.1*	62.8
74.5°	54.3	59.3	60.1	61.4	*61.9*	60.6
75°	52.2	57.1	57.9	59.3	*59.7*	58.4
75.5°	50.0	55.0	55.8	57.2	*57.6*	56.2
76°	48.0	52.7	53.6	55.0	*55.4*	54.2
76.5°	45.9	50.6	51.5	52.9	*53.2*	52.0
77°	43.8	48.5	49.5	50.8	*51.1*	49.9
77.5°	41.7	46.4	47.4	48.7	*49.0*	47.8
78°	39.7	44.3	45.2	46.6	*46.8*	45.8
78.5°	37.6	42.2	43.2	44.4	*44.7*	43.7
79°	35.6	40.1	41.1	42.3	*42.5*	41.5
79.5°	33.6	38.0	39.1	40.2	*40.4*	39.5
80°	31.7	35.9	37.0	38.1	*38.3*	37.4
80.5°	29.5	33.9	35.1	36.1	*36.3*	35.5
81°	27.5	31.9	33.1	34.5	*34.5*	33.5
81.5°	25.6	29.9	31.1	32.4	*32.4*	31.5
82°	23.6	27.9	29.0	30.2	*30.2*	29.5
82.5°	21.6	25.8	27.0	28.1	*28.1*	27.5
83°	19.7	23.9	25.0	25.9	*25.9*	25.5
83.5°	17.8	21.9	23.1	23.9	*24.0*	23.5
84°	15.9	20.0	21.2	22.0	*21.9*	21.6
84.5°	14.0	18.0	19.2	20.0	*19.9*	19.6
85°	12.1	16.1	17.3	18.0	*18.0*	17.7
85.5°	10.3	14.2	15.4	16.1	*16.0*	15.8
86°	8.5	12.4	13.5	14.2	*14.1*	13.9
86.5°	6.7	10.5	11.6	12.2	*12.2*	12.0
87°	4.9	8.7	9.8	10.4	*10.3*	10.1
87.5°	3.0	6.9	7.9	8.5	*8.5*	8.3
88°	1.5	5.1	6.1	6.6	*6.7*	6.4
88.5°	0.5	3.3	4.3	4.8	*4.9*	4.6
89°	0.1	2.5	3.4	3.0	*3.1*	2.9
89.5°	0.1	1.7	2.6	2.3	*2.4*	2.2

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.1	0.9	1.7	1.5	*1.6*	1.5
90.5°	0.1	0.1	0.9	0.8	*0.8*	0.7
91°	0.1	0.0	0.0	0.1	*0.0*	0.0
91.5°	0.1	0.0	0.0	0.0	*0.0*	0.0
92°	0.1	0.0	0.0	0.0	*0.0*	0.0
92.5°	0.1	0.0	0.0	0.0	*0.0*	0.0
93°	0.1	0.0	0.0	0.0	*0.0*	0.0
93.5°	0.1	0.0	0.0	0.0	*0.0*	0.0
94°	0.1	0.0	0.1	0.0	*0.0*	0.0
94.5°	0.1	0.1	0.1	0.1	*0.0*	0.0
95°	0.1	0.1	0.1	0.1	*0.0*	0.0
95.5°	0.1	0.1	0.1	0.1	*0.1*	0.0
96°	0.1	0.1	0.1	0.1	*0.1*	0.0
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: P1596642
CATALOG NUMBER: HLB3SLSFS5-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	0.1	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°	0.2	0.1	0.1	0.1	*0.1*	0.1
130.5°	0.2	0.1	0.1	0.1	*0.1*	0.1
131°	0.2	0.1	0.1	0.1	*0.1*	0.1
131.5°	0.2	0.1	0.1	0.1	*0.1*	0.1
132°	0.2	0.1	0.1	0.1	*0.1*	0.1
132.5°	0.2	0.1	0.1	0.1	*0.1*	0.1
133°	0.2	0.1	0.1	0.1	*0.1*	0.1
133.5°	0.2	0.2	0.2	0.1	*0.1*	0.1
134°	0.2	0.2	0.2	0.1	*0.1*	0.1
134.5°	0.2	0.2	0.2	0.2	*0.1*	0.1

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

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.2	0.2	0.2	0.1	0.1
135.5°	0.2	0.2	0.2	0.2	0.1	0.1
136°	0.2	0.2	0.2	0.2	0.1	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°	0.2	0.2	0.2	0.2	0.2	0.2
150°	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
151°	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
152°	0.2	0.2	0.2	0.2	0.2	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.2	0.2	0.2	0.2	0.2	0.2
156°	0.2	0.2	0.2	0.2	0.2	0.2
156.5°	0.2	0.2	0.2	0.2	0.2	0.2
157°	0.3	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: P1596642
CATALOG NUMBER: HLB3SLSFS5-MED-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.2	0.2	0.2	0.2
158°	0.3	0.2	0.2	0.2	0.2	0.2
158.5°	0.3	0.2	0.2	0.2	0.2	0.2
159°	0.3	0.2	0.2	0.2	0.2	0.2
159.5°	0.3	0.2	0.2	0.2	0.2	0.2
160°	0.3	0.2	0.2	0.2	0.2	0.2
160.5°	0.3	0.2	0.2	0.2	0.2	0.2
161°	0.3	0.2	0.2	0.2	0.2	0.2
161.5°	0.3	0.2	0.2	0.2	0.2	0.2
162°	0.3	0.2	0.2	0.2	0.2	0.2
162.5°	0.3	0.2	0.2	0.2	0.2	0.2
163°	0.3	0.2	0.2	0.2	0.2	0.2
163.5°	0.3	0.2	0.2	0.2	0.2	0.2
164°	0.3	0.2	0.2	0.2	0.2	0.2
164.5°	0.3	0.2	0.2	0.2	0.2	0.2
165°	0.3	0.2	0.2	0.2	0.2	0.2
165.5°	0.3	0.2	0.2	0.2	0.2	0.2
166°	0.3	0.2	0.2	0.2	0.2	0.2
166.5°	0.3	0.2	0.2	0.2	0.2	0.2
167°	0.3	0.2	0.2	0.2	0.2	0.2
167.5°	0.3	0.2	0.2	0.2	0.2	0.2
168°	0.3	0.2	0.2	0.2	0.2	0.2
168.5°	0.3	0.2	0.2	0.2	0.2	0.2
169°	0.3	0.2	0.2	0.2	0.2	0.2
169.5°	0.3	0.2	0.2	0.2	0.2	0.2
170°	0.3	0.2	0.2	0.2	0.2	0.2
170.5°	0.3	0.2	0.2	0.2	0.2	0.2
171°	0.3	0.2	0.2	0.2	0.2	0.2
171.5°	0.3	0.2	0.2	0.2	0.2	0.2
172°	0.3	0.2	0.2	0.2	0.2	0.2
172.5°	0.2	0.2	0.2	0.2	0.2	0.2
173°	0.2	0.2	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
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596642
CATALOG NUMBER: HLB3SLSFS5-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: P1596642
CATALOG NUMBER: HLB3SLSFS5-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	29.54	31.17	29.90	31.49	31.81	29.35	30.98	29.71	31.29	31.61
	3H	31.40	32.88	31.78	33.21	33.57	31.17	32.64	31.54	32.97	33.34
	4H	32.13	33.52	32.53	33.87	34.25	31.87	33.26	32.27	33.61	33.99
	6H	32.71	34.00	33.12	34.37	34.76	32.41	33.70	32.83	34.07	34.46
	8H	32.92	34.16	33.35	34.55	34.95	32.59	33.83	33.02	34.22	34.62
	12H	33.03	34.21	33.46	34.59	35.02	32.67	33.85	33.10	34.24	34.67
4H	2H	30.19	31.58	30.59	31.93	32.31	29.99	31.39	30.39	31.74	32.12
	3H	32.29	33.46	32.70	33.86	34.26	32.05	33.22	32.46	33.62	34.02
	4H	33.18	34.24	33.61	34.65	35.09	32.90	33.96	33.33	34.37	34.81
	6H	33.91	34.84	34.37	35.28	35.74	33.58	34.51	34.04	34.95	35.41
	8H	34.18	35.05	34.65	35.50	35.96	33.82	34.69	34.28	35.13	35.60
	12H	34.36	35.14	34.84	35.62	36.09	33.96	34.74	34.44	35.22	35.69
8H	4H	33.54	34.41	34.00	34.85	35.32	33.25	34.12	33.71	34.57	35.03
	6H	34.43	35.15	34.92	35.64	36.12	34.08	34.80	34.58	35.29	35.77
	8H	34.80	35.45	35.31	35.95	36.44	34.40	35.05	34.91	35.56	36.05
	12H	35.08	35.66	35.59	36.15	36.71	34.64	35.21	35.14	35.70	36.27
12H	4H	33.59	34.37	34.07	34.84	35.31	33.30	34.08	33.78	34.56	35.03
	6H	34.51	35.16	35.02	35.67	36.16	34.16	34.81	34.67	35.32	35.80
	8H	34.95	35.52	35.46	36.02	36.58	34.55	35.12	35.06	35.62	36.18

END OF REPORT