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: P1596613

Luminaire Tested: HLB3LSFS5-HI-2700K

Issue Date: 10/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1596613
	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-HI-2700K
Description:	HLB3 3" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	2700K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

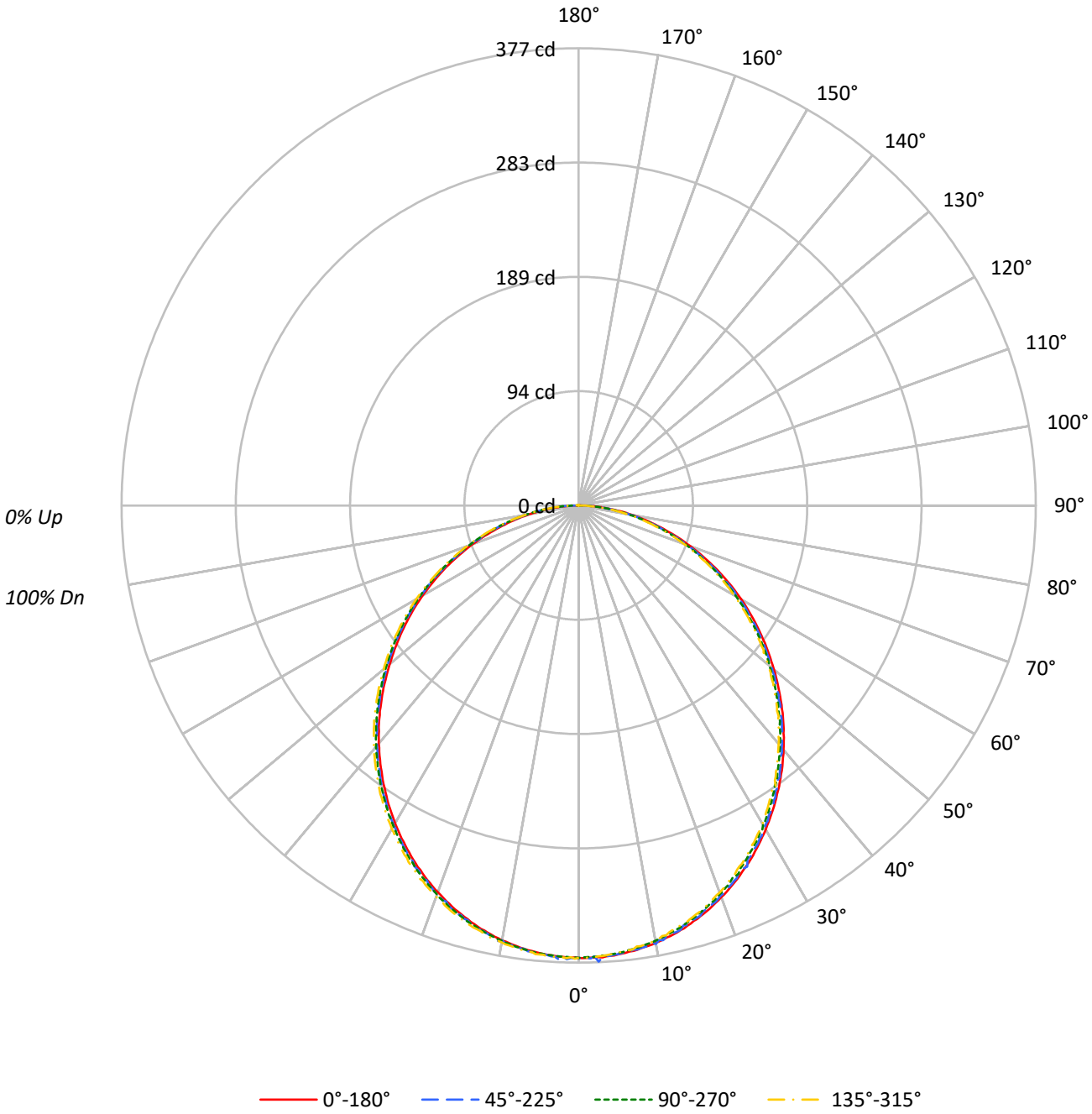
Lumens per Lamp:	N/A
Luminaire Lumens:	1020.0 lumens
Efficiency:	N/A
Efficacy:	100.0 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.18' x L: 0.18' x H: 0')
CIE Type:	Direct
Input Watts (W):	10.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (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: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

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°	118406	118406	118406	118406
5°	118380	117998	118030	118125
10°	118073	117429	117364	117493
15°	117293	116439	116077	116636
20°	116143	115096	114624	115299
25°	114749	113523	112928	113733
30°	113051	111438	110925	111951
35°	111074	109253	108672	109911
40°	108914	107050	106221	107713
45°	106413	104348	103451	105156
50°	103731	101459	100472	102447
55°	101087	98542	97491	99648
60°	98254	95207	94192	96667
65°	94767	91238	90487	93341
70°	90655	86943	85830	89170
75°	85955	81908	80314	85219
80°	80962	75845	73834	80779
85°	76102	66635	65179	76102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 315°
Vertical Angle: 89.5°
Luminance: 149104 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	3.5
10°-20°	100.1	9.8
20°-30°	149.7	14.7
30°-40°	177.3	17.4
40°-50°	180.3	17.7
50°-60°	160.4	15.7
60°-70°	121.9	12.0
70°-80°	72.0	7.1
80°-90°	21.9	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°	0.2	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°	285.1	27.9
0°-40°	462.4	45.3
0°-60°	803.1	78.7
0°-90°	1019.0	99.9
90°-120°	0.4	0.0
90°-150°	0.8	0.1
90°-180°	1.0	0.1
0°-180°	1020.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	373	373	373	373	373	
5°	372	370	370	371	372	35
15°	357	354	353	355	357	101
25°	328	324	322	325	328	151
35°	287	282	280	284	287	179
45°	237	232	230	234	237	183
55°	183	178	176	180	183	163
65°	126	122	120	124	126	125
75°	70	67	66	70	70	74
85°	21	18	18	21	21	22
90°	2	0	0	2	2	2
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: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	373.1	373.1	*373.1*	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1
0.5°	373.3	371.7	*373.3*	373.9	372.6	373.0	373.7	373.5	372.8	373.6	373.6
1°	373.1	375.9	*373.2*	374.0	372.6	372.8	372.9	372.7	372.9	372.3	373.1
1.5°	373.1	372.1	*373.8*	373.1	372.4	372.9	372.8	372.7	372.8	373.1	374.3
2°	373.2	373.7	*372.1*	373.2	372.5	372.5	372.6	372.5	372.5	372.8	371.9
2.5°	*372.9*	*372.8*	*376.6*	*373.3*	*372.1*	*372.4*	*372.1*	*372.5*	*372.4*	*372.1*	*374.8*
3°	373.2	373.1	*372.9*	373.1	371.7	371.9	372.2	372.0	372.0	374.1	372.5
3.5°	372.6	372.0	*372.2*	373.2	371.8	371.8	371.7	371.6	371.6	371.3	372.4
4°	372.3	372.8	*372.3*	372.6	371.2	371.2	371.2	371.3	371.3	371.2	371.7
4.5°	372.2	372.7	*371.6*	371.4	370.9	370.9	371.1	370.9	370.9	371.5	371.2
5°	371.6	371.2	*371.5*	371.9	370.4	370.3	370.2	370.5	370.5	370.9	371.4
5.5°	371.3	371.7	*370.8*	370.8	370.1	370.2	369.8	369.8	369.9	370.0	370.3
6°	371.0	371.8	*370.6*	370.4	369.7	369.5	368.8	369.9	369.5	369.8	370.3
6.5°	370.2	366.8	*370.6*	370.2	368.9	369.0	369.0	368.7	369.0	369.5	369.9
7°	370.1	370.7	*369.1*	369.7	368.5	368.6	368.7	368.2	368.3	368.8	368.3
7.5°	369.7	371.1	*369.4*	369.7	367.9	367.8	366.8	367.7	367.8	367.7	368.2
8°	368.7	368.0	*368.5*	368.1	367.4	367.2	366.9	366.9	367.0	367.8	368.5
8.5°	368.2	368.7	*368.0*	367.7	366.6	366.5	366.3	366.0	366.2	366.7	366.8
9°	367.7	367.6	*367.9*	367.0	365.8	365.5	365.5	365.5	365.5	365.4	366.6
9.5°	367.0	366.9	*365.8*	365.8	365.2	364.9	365.0	364.3	364.6	365.5	366.2
10°	366.4	366.1	*367.1*	365.8	364.4	364.2	363.5	364.0	364.2	363.9	364.1
10.5°	365.6	365.3	*364.4*	363.4	363.6	363.2	363.4	362.9	363.0	364.2	365.4
11°	364.7	364.7	*365.3*	365.5	362.7	362.5	361.7	361.9	362.2	361.9	361.8
11.5°	363.7	363.8	*362.6*	362.1	361.6	361.4	361.8	360.8	361.1	360.5	362.3
12°	363.1	362.8	*361.8*	361.4	360.8	360.5	359.8	360.1	360.1	360.7	361.2
12.5°	362.2	361.8	*361.3*	361.6	359.8	359.5	358.7	359.1	359.0	358.6	360.0
13°	361.3	361.2	*360.7*	359.6	358.9	358.3	359.4	357.9	358.3	358.7	359.4
13.5°	360.1	359.7	*359.9*	358.9	357.9	357.3	356.6	356.6	357.0	356.9	358.5
14°	359.4	359.0	*356.9*	358.0	356.6	356.4	355.5	355.9	355.7	357.1	356.6
14.5°	357.9	357.9	*357.6*	356.2	355.7	355.0	355.3	354.5	354.7	355.2	356.2
15°	357.0	356.8	*355.9*	356.0	354.4	354.0	353.4	353.2	353.3	353.8	354.0
15.5°	355.5	355.5	*354.3*	354.1	353.2	352.7	352.3	352.2	352.2	353.1	353.7
16°	354.8	354.4	*353.7*	352.8	352.1	351.3	350.8	350.8	350.9	351.8	351.6
16.5°	353.3	352.9	*352.8*	352.4	350.6	349.9	350.0	349.5	349.5	349.4	351.4
17°	352.1	352.1	*350.2*	350.7	349.4	349.1	348.3	348.1	348.4	350.1	349.4
17.5°	350.8	350.6	*349.3*	349.1	348.3	347.4	347.0	346.9	346.9	347.1	348.4
18°	349.7	349.2	*349.3*	348.1	346.7	345.9	345.7	345.4	345.4	346.9	347.2
18.5°	348.1	348.5	*346.8*	346.5	345.3	345.2	344.2	343.8	344.1	344.1	344.3
19°	346.7	346.4	*345.9*	345.0	344.2	343.3	342.3	342.3	342.5	343.4	344.3
19.5°	345.4	344.8	*344.4*	343.8	342.4	341.5	340.9	341.0	340.9	340.9	342.6
20°	343.9	343.8	*342.3*	342.3	340.8	340.3	339.7	339.4	339.4	341.7	340.7
20.5°	342.6	342.2	*341.5*	340.4	339.6	338.6	338.2	337.8	338.0	339.4	339.9
21°	341.1	340.6	*339.7*	338.9	337.8	336.9	336.8	336.2	336.4	337.0	337.7
21.5°	339.3	338.8	*338.2*	337.4	336.5	335.6	334.7	334.6	334.7	335.1	336.8
22°	337.7	337.6	*336.7*	335.7	334.4	333.7	333.0	333.0	333.1	335.3	333.6

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	336.2	335.8	*335.1*	334.1	332.3	332.2	331.7	331.3	331.4	332.2	333.0
23°	334.7	334.1	*333.8*	332.4	331.8	330.4	330.1	329.4	329.5	329.4	332.1
23.5°	333.0	332.2	*330.8*	330.5	331.1	328.8	327.7	327.9	327.7	329.6	329.2
24°	331.1	330.9	*329.9*	328.7	327.6	327.0	325.8	326.0	326.2	325.9	328.0
24.5°	329.3	328.0	*328.7*	327.2	326.1	325.2	324.8	324.2	324.2	323.0	326.9
25°	327.7	327.9	*328.7*	325.3	324.2	323.2	322.7	322.1	322.5	326.0	323.5
25.5°	326.0	326.0	*323.2*	323.5	322.3	321.5	320.9	320.4	320.7	321.2	322.6
26°	324.2	323.5	*322.4*	321.7	320.3	319.6	318.9	318.4	318.6	319.3	320.7
26.5°	322.3	320.3	*321.3*	319.6	318.4	317.8	317.0	316.8	316.7	317.8	318.6
27°	320.2	322.0	*318.4*	317.7	316.9	315.8	314.7	314.6	314.7	315.3	316.8
27.5°	318.5	317.1	*317.0*	315.9	314.7	313.8	313.2	312.8	312.7	313.9	314.9
28°	316.5	315.5	*315.3*	313.7	313.1	311.8	311.0	310.6	310.9	312.1	312.6
28.5°	314.5	313.8	*312.6*	311.8	310.7	309.6	309.0	309.0	308.9	308.1	311.0
29°	312.5	312.4	*311.3*	309.9	308.3	307.7	307.1	306.7	306.8	308.7	309.1
29.5°	310.6	309.5	*308.5*	307.2	307.5	305.8	304.9	304.6	304.7	305.5	306.5
30°	308.5	308.5	*306.7*	306.3	304.1	303.4	303.2	302.5	302.7	303.6	305.0
30.5°	306.3	306.1	*304.4*	303.1	302.6	301.4	300.7	300.6	300.4	301.3	302.8
31°	304.4	305.0	*303.2*	301.7	300.3	299.5	298.7	298.1	298.3	299.4	300.8
31.5°	302.2	300.5	*300.0*	299.2	298.3	297.1	296.3	296.3	296.3	297.0	298.3
32°	300.1	300.2	*298.5*	297.1	296.0	294.9	294.2	294.0	294.0	295.1	296.6
32.5°	297.9	296.8	*296.1*	295.9	293.5	292.8	291.8	291.2	292.0	292.3	294.0
33°	295.8	295.3	*294.9*	291.8	291.9	290.4	289.4	290.0	289.6	290.2	291.7
33.5°	293.5	293.0	*291.7*	290.8	289.2	288.3	288.2	287.3	287.2	288.3	289.2
34°	291.4	290.4	*290.1*	287.7	286.9	286.1	285.1	284.9	285.0	286.2	287.8
34.5°	288.8	288.6	*286.3*	286.1	285.0	283.7	281.3	282.7	282.7	283.5	285.1
35°	286.7	286.1	*285.2*	283.7	282.0	281.3	283.3	280.3	280.5	281.5	282.7
35.5°	284.6	283.7	*282.0*	281.0	280.5	279.1	278.5	277.8	278.1	278.5	280.4
36°	282.1	281.3	*279.6*	278.9	278.5	276.8	276.4	275.6	275.8	278.4	278.1
36.5°	279.9	279.1	*278.7*	276.5	275.6	274.4	273.4	273.3	273.3	274.4	275.9
37°	277.5	276.6	*275.5*	274.1	273.1	271.9	271.4	271.1	270.9	271.5	273.0
37.5°	275.3	274.4	*273.0*	271.6	270.5	269.7	268.8	268.2	268.6	269.3	271.1
38°	272.8	271.0	*270.8*	269.2	268.3	267.1	266.5	266.2	266.1	267.6	268.1
38.5°	270.4	269.6	*268.1*	266.7	265.7	264.4	263.9	263.6	263.7	264.7	266.4
39°	267.7	267.7	*265.2*	264.6	263.6	262.1	261.5	261.1	261.3	262.1	263.5
39.5°	265.5	264.0	*263.8*	261.6	260.8	259.9	259.0	258.5	258.7	260.2	261.0
40°	262.9	262.6	*260.4*	259.1	258.4	257.2	256.5	256.1	256.4	257.7	258.8
40.5°	260.4	260.3	*258.3*	256.8	255.6	254.7	254.3	253.7	253.8	254.0	256.1
41°	257.7	256.2	*255.4*	254.1	253.5	252.2	251.1	250.9	251.2	252.9	253.9
41.5°	255.5	255.3	*253.0*	251.6	250.8	249.6	248.7	248.6	248.6	249.7	251.1
42°	252.6	251.1	*251.0*	248.8	248.3	247.0	246.6	246.0	246.3	247.3	248.4
42.5°	250.3	249.8	*248.2*	246.6	245.5	244.7	243.6	243.3	243.6	244.5	246.4
43°	247.7	246.0	*245.6*	244.1	243.4	241.8	241.3	240.8	241.0	242.2	243.7
43.5°	245.0	244.5	*243.0*	241.1	240.2	239.2	239.5	238.1	238.2	239.4	240.6
44°	242.5	241.1	*240.3*	238.7	237.8	236.6	235.5	235.3	236.0	236.7	238.2
44.5°	239.9	239.4	*237.4*	235.9	235.1	233.9	233.4	233.2	233.1	234.4	235.7

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	237.1	236.5	*235.6*	233.3	232.5	231.4	230.8	229.7	230.5	231.2	233.0
45.5°	234.6	233.5	*232.7*	230.5	230.0	228.7	227.8	228.0	227.7	229.5	230.4
46°	231.8	231.2	*228.8*	227.8	227.2	226.0	225.3	225.0	225.1	226.3	228.0
46.5°	229.2	228.4	*227.7*	225.4	224.5	223.3	222.6	222.3	222.4	223.6	225.0
47°	226.5	225.5	*224.0*	222.4	221.8	220.6	219.8	219.2	219.9	220.9	222.6
47.5°	223.8	223.1	*221.1*	219.9	219.1	217.8	217.6	217.2	217.0	218.0	219.5
48°	221.0	220.5	*219.1*	217.1	216.2	215.1	214.6	213.7	214.2	215.5	217.1
48.5°	218.4	217.4	*216.0*	214.3	213.9	212.3	211.5	211.4	211.7	212.9	214.2
49°	215.7	214.7	*213.9*	211.7	211.0	209.6	209.7	208.8	208.9	210.0	211.5
49.5°	213.0	212.1	*210.2*	209.0	208.3	207.0	206.3	205.6	206.1	207.5	208.8
50°	210.1	209.2	*208.1*	206.2	205.5	204.0	203.4	203.8	203.5	204.4	206.0
50.5°	207.4	206.7	*205.2*	203.5	203.0	201.4	201.1	200.5	200.6	202.3	203.3
51°	204.6	203.8	*202.4*	200.7	200.2	198.7	198.6	197.9	198.0	199.0	200.7
51.5°	202.0	201.0	*199.5*	197.8	197.6	196.0	194.8	194.9	195.1	195.8	198.0
52°	199.1	199.5	*196.6*	195.6	194.6	193.2	193.5	193.2	192.6	194.9	195.2
52.5°	196.4	195.1	*194.1*	193.7	192.1	190.7	190.0	189.6	189.6	190.8	192.2
53°	193.7	193.1	*191.5*	188.6	189.3	187.8	187.3	186.7	187.0	188.7	190.1
53.5°	191.0	190.3	*188.6*	187.6	186.5	185.2	184.4	184.1	184.3	185.4	187.1
54°	188.0	187.5	*186.3*	184.0	183.6	182.3	181.9	181.3	181.6	182.4	184.2
54.5°	185.4	185.0	*182.9*	181.6	180.8	179.7	178.8	178.5	178.8	180.2	181.6
55°	182.7	181.5	*180.3*	179.6	178.1	177.0	176.1	175.7	176.2	177.0	178.9
55.5°	180.1	179.3	*177.6*	175.4	175.1	174.1	173.3	172.9	173.4	174.4	175.9
56°	177.0	176.1	*175.1*	173.1	172.6	171.4	170.4	170.3	170.6	171.8	174.0
56.5°	174.5	173.2	*171.5*	170.8	169.7	168.7	167.7	167.3	167.9	168.7	170.5
57°	171.6	170.4	*169.7*	166.8	166.6	165.8	165.0	164.7	165.2	166.9	167.8
57.5°	168.9	167.6	*166.2*	165.1	164.0	163.1	162.1	161.8	162.3	163.3	165.1
58°	166.0	164.8	*163.6*	162.0	161.1	160.2	159.0	159.2	159.6	160.4	162.8
58.5°	163.3	162.0	*161.3*	158.7	158.5	157.4	156.7	155.9	156.9	157.8	159.1
59°	160.4	158.8	*157.8*	156.6	155.5	154.6	153.6	153.8	154.0	155.1	157.3
59.5°	157.7	156.0	*155.3*	153.5	152.7	151.8	150.8	150.9	151.2	152.3	153.6
60°	154.8	153.5	*153.4*	150.4	150.0	149.0	148.0	147.8	148.4	149.1	152.0
60.5°	151.9	150.5	*148.8*	147.9	147.1	146.1	145.3	144.7	145.6	146.9	148.7
61°	149.1	147.8	*147.0*	144.9	144.3	143.3	142.5	142.4	142.8	143.8	145.5
61.5°	146.3	145.3	*143.7*	141.9	141.4	140.4	139.6	139.6	140.0	140.9	143.1
62°	143.4	141.7	*141.0*	139.3	138.6	137.6	136.9	136.5	137.2	138.2	140.1
62.5°	140.5	139.2	*138.1*	136.5	135.8	134.9	134.0	133.9	134.4	135.5	137.7
63°	137.6	136.5	*135.2*	133.2	132.8	131.9	131.1	131.3	131.6	132.7	134.3
63.5°	134.8	133.4	*132.4*	130.3	130.0	129.1	128.2	128.1	128.8	129.9	131.7
64°	131.9	131.0	*129.5*	127.9	127.2	126.2	125.4	125.7	126.0	127.1	128.7
64.5°	129.1	127.6	*126.6*	124.9	124.3	123.4	122.7	122.3	123.2	124.4	126.1
65°	126.2	125.1	*123.7*	121.7	121.5	120.4	119.8	119.7	120.5	121.4	123.2
65.5°	123.3	122.7	*120.8*	119.1	118.7	117.7	116.9	117.1	117.6	118.8	120.1
66°	120.4	119.2	*117.9*	116.2	115.9	115.0	114.3	114.0	114.7	116.1	117.5
66.5°	117.6	116.8	*115.1*	113.8	113.0	111.9	111.0	111.1	112.0	112.8	114.5
67°	114.7	113.6	*112.2*	110.3	110.1	109.3	108.6	109.0	109.1	110.4	112.0

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	111.8	111.2	*109.4*	108.0	107.8	106.4	105.7	105.4	106.3	107.7	108.4
68°	109.0	107.8	*106.5*	105.1	104.6	103.5	102.9	102.7	103.6	104.4	107.4
68.5°	106.3	105.6	*103.7*	102.0	102.0	100.8	100.2	100.1	100.8	102.4	103.3
69°	103.4	102.4	*100.9*	99.2	99.3	98.0	97.4	97.4	98.1	99.2	100.7
69.5°	100.5	99.6	*98.0*	96.5	96.5	95.2	94.7	94.7	95.3	96.5	98.3
70°	97.7	96.8	*95.1*	93.9	93.7	92.4	92.0	91.9	92.5	93.7	96.0
70.5°	94.9	94.1	*92.5*	90.9	90.9	89.7	89.2	89.2	89.7	91.0	93.6
71°	92.1	91.3	*89.5*	88.3	88.2	86.9	86.5	86.4	87.0	88.2	91.3
71.5°	89.3	88.8	*86.8*	85.4	85.6	84.0	83.7	83.8	84.2	85.7	85.4
72°	86.5	85.7	*84.1*	82.9	82.9	81.4	81.1	81.0	81.5	82.9	84.9
72.5°	83.7	83.1	*81.3*	79.9	80.0	78.6	78.4	78.3	78.9	80.2	81.6
73°	81.0	80.3	*78.6*	77.5	77.8	75.9	75.6	75.7	76.1	77.6	78.4
73.5°	78.2	77.5	*75.9*	74.7	74.5	73.2	73.0	73.1	73.4	74.9	76.0
74°	75.6	75.0	*73.2*	72.0	71.8	70.5	70.4	70.4	70.8	72.4	73.8
74.5°	72.8	72.2	*70.5*	69.4	69.3	67.8	67.6	67.8	68.2	69.6	70.4
75°	70.1	69.7	*68.0*	67.0	66.8	65.1	65.1	65.2	65.5	67.1	68.2
75.5°	67.5	66.6	*65.3*	64.0	64.6	62.5	62.5	62.5	62.9	64.2	65.3
76°	64.8	64.4	*62.7*	61.5	61.3	60.0	59.9	60.1	60.3	61.9	63.1
76.5°	62.1	61.6	*60.0*	58.8	58.9	57.4	57.4	57.8	57.8	59.2	60.5
77°	59.6	58.9	*57.6*	56.5	56.5	54.8	54.8	54.1	55.3	56.7	57.4
77.5°	57.0	56.5	*54.9*	53.7	53.9	52.3	52.2	53.6	52.7	54.2	55.9
78°	54.4	53.9	*52.5*	51.4	51.4	49.8	49.8	50.0	50.3	51.8	52.6
78.5°	51.9	51.2	*49.9*	48.8	48.9	47.4	47.3	47.1	47.7	49.2	50.3
79°	49.4	48.6	*47.4*	46.3	46.3	44.9	44.8	44.7	45.3	46.8	48.1
79.5°	46.8	46.6	*44.9*	44.0	43.9	42.5	42.4	43.0	42.9	44.1	45.4
80°	44.3	43.6	*42.5*	40.9	41.5	40.1	39.9	39.3	40.4	42.1	43.0
80.5°	42.0	41.0	*40.1*	38.7	39.0	37.7	37.6	37.6	38.1	39.4	40.6
81°	39.6	38.7	*37.7*	36.4	36.6	35.4	35.2	35.7	35.7	37.2	38.3
81.5°	37.2	36.4	*35.4*	34.2	34.2	33.1	33.0	32.7	33.4	34.7	35.9
82°	34.8	34.1	*33.0*	31.9	31.9	30.8	30.6	30.7	31.1	32.4	33.6
82.5°	32.4	31.8	*30.6*	29.5	29.6	28.5	28.2	28.4	28.8	30.1	31.2
83°	30.0	29.5	*28.2*	27.2	27.3	26.2	26.0	25.9	26.5	27.9	28.9
83.5°	27.7	27.0	*25.9*	25.1	25.0	24.0	23.9	24.1	24.3	25.6	26.7
84°	25.5	24.8	*23.7*	22.7	22.7	21.9	21.6	21.6	22.2	23.4	24.5
84.5°	23.2	22.6	*21.5*	20.4	20.5	19.7	19.5	19.6	20.0	21.2	22.3
85°	20.9	20.3	*19.3*	18.3	18.3	17.5	17.4	17.5	17.9	19.0	20.1
85.5°	18.8	18.0	*17.1*	16.1	16.1	15.4	15.3	15.3	15.8	16.9	18.2
86°	16.6	16.0	*15.1*	14.1	14.0	13.3	13.3	13.3	13.8	14.8	15.9
86.5°	14.5	13.8	*13.0*	12.0	11.9	11.3	11.2	11.3	11.8	12.8	13.8
87°	12.5	11.8	*11.1*	10.1	9.8	9.2	9.2	9.3	9.8	10.8	11.8
87.5°	10.6	9.9	*9.1*	8.0	7.7	7.2	7.2	7.3	7.8	8.7	9.7
88°	8.7	7.9	*7.0*	5.7	5.6	5.1	5.1	5.3	5.8	6.7	7.7
88.5°	6.7	5.7	*4.6*	3.3	3.5	3.1	3.1	3.3	3.8	4.7	5.7
89°	4.4	3.5	*3.4*	2.5	1.5	1.3	1.5	1.8	2.2	2.8	3.6
89.5°	3.3	2.6	*2.3*	1.7	0.4	0.4	0.6	0.9	1.2	1.5	2.0

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.3	1.8	1.2	0.9	0.1	0.1	0.1	0.2	0.5	0.7	1.0
90.5°	1.2	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.1	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: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
124.5°	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
125°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
125.5°	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2
126°	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2
126.5°	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2
127°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
128°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
128.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
129°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
129.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
130°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
130.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	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	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	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: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

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	0.3
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
144°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
144.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
145°	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3
145.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3
146°	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3
146.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3
147°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3
147.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3
148°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
148.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
149°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
149.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

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	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.2	0.2	0.2	0.2	0.3	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	0.4	0.3	0.3	0.3
164.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
165°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
165.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
166°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
166.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
167°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
167.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
168.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
169°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
169.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
170°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
170.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
171°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
171.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
172°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
172.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
173°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
173.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.3
174°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	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	0.3	0.3
176.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.3	0.3	*0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	373.1	373.1	373.1	373.1	373.1	373.1
0.5°	373.4	372.6	373.1	373.8	373.4	373.3
1°	375.1	372.7	372.9	372.6	373.2	373.1
1.5°	371.7	372.4	372.9	373.5	373.2	373.1
2°	373.9	372.4	372.6	372.9	373.0	373.2
2.5°	*371.5*	*372.2*	*372.7*	*372.5*	*372.9*	*372.9*
3°	374.5	371.8	372.3	372.7	372.6	373.2
3.5°	372.3	371.7	372.3	372.4	372.9	372.6
4°	372.6	371.6	371.8	372.7	372.2	372.3
4.5°	372.5	371.0	371.8	371.6	372.3	372.2
5°	371.6	370.8	371.1	371.7	371.6	371.6
5.5°	371.2	370.3	371.0	371.7	371.5	371.3
6°	370.7	370.0	370.2	370.4	370.9	371.0
6.5°	371.1	369.3	370.0	370.5	370.4	370.2
7°	369.2	368.9	369.6	369.5	370.2	370.1
7.5°	370.3	368.1	368.7	369.4	369.2	369.7
8°	367.8	367.6	368.1	368.7	369.0	368.7
8.5°	368.7	366.9	367.7	367.9	368.5	368.2
9°	366.6	366.1	366.9	367.2	367.4	367.7
9.5°	366.7	365.5	366.2	366.8	366.7	367.0
10°	366.5	364.6	365.3	365.9	366.3	366.4
10.5°	363.9	363.9	364.7	365.0	365.6	365.6
11°	364.1	363.0	363.9	364.1	365.0	364.7
11.5°	362.6	362.1	362.9	363.8	363.0	363.7
12°	362.1	361.2	361.9	362.5	363.2	363.1
12.5°	361.2	360.2	361.2	361.6	361.7	362.2
13°	359.9	359.1	360.1	360.3	361.6	361.3
13.5°	359.1	358.1	359.3	359.4	359.6	360.1
14°	358.0	356.9	358.0	358.7	359.1	359.4
14.5°	356.9	355.9	356.9	357.6	358.1	357.9
15°	355.5	355.0	355.9	356.8	361.6	357.0
15.5°	354.7	353.7	354.6	355.1	354.0	355.5
16°	353.2	352.5	353.4	354.2	354.8	354.8
16.5°	351.9	351.2	352.4	352.9	353.6	353.3
17°	350.8	349.9	351.0	351.8	351.7	352.1
17.5°	349.5	348.4	349.7	350.5	350.8	350.8
18°	348.0	347.6	348.2	349.1	349.8	349.7
18.5°	346.7	345.6	347.0	347.6	349.1	348.1
19°	345.3	344.4	345.6	345.7	346.5	346.7
19.5°	343.8	343.1	344.2	345.3	345.1	345.4
20°	342.3	341.4	342.8	343.4	344.1	343.9
20.5°	340.7	339.8	341.2	342.0	341.8	342.6
21°	339.0	338.4	339.7	340.4	340.8	341.1
21.5°	337.6	336.7	338.3	338.9	338.8	339.3
22°	335.9	335.3	336.6	337.4	338.6	337.7

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	334.4	333.4	334.8	335.4	339.3	336.2
23°	332.7	332.0	333.1	334.5	331.7	334.7
23.5°	330.9	330.3	331.7	332.4	333.8	333.0
24°	329.2	328.7	329.7	330.7	331.8	331.1
24.5°	327.3	326.5	328.1	329.1	328.8	329.3
25°	325.9	324.8	326.3	327.3	328.1	327.7
25.5°	323.7	323.2	324.5	325.7	327.0	326.0
26°	322.0	321.2	322.5	323.2	323.2	324.2
26.5°	320.1	319.3	320.7	322.0	323.9	322.3
27°	318.1	317.6	318.9	319.9	321.4	320.2
27.5°	316.3	315.5	317.0	317.8	317.7	318.5
28°	314.3	313.7	315.1	316.0	315.8	316.5
28.5°	312.1	311.5	313.0	314.0	313.9	314.5
29°	310.3	309.6	310.9	312.1	312.5	312.5
29.5°	308.0	307.5	309.0	309.9	310.8	310.6
30°	306.3	305.5	307.0	308.1	308.1	308.5
30.5°	304.0	303.5	304.9	305.9	306.4	306.3
31°	301.9	301.3	302.7	303.9	304.2	304.4
31.5°	299.9	299.3	300.8	302.2	302.6	302.2
32°	297.7	297.0	298.4	299.4	307.7	300.1
32.5°	295.4	294.8	296.6	297.6	293.7	297.9
33°	293.3	292.5	294.1	295.7	296.5	295.8
33.5°	291.2	290.5	292.0	292.9	294.6	293.5
34°	288.8	288.3	289.7	290.7	290.7	291.4
34.5°	286.6	285.8	287.6	288.7	289.2	288.8
35°	284.3	283.7	285.2	286.3	287.4	286.7
35.5°	281.9	281.5	282.9	283.8	283.8	284.6
36°	279.8	279.0	280.7	281.8	282.9	282.1
36.5°	277.2	276.7	278.4	279.2	279.7	279.9
37°	274.9	274.4	275.8	276.9	277.9	277.5
37.5°	272.7	272.2	273.7	274.5	274.2	275.3
38°	270.2	269.4	271.0	272.2	273.0	272.8
38.5°	267.7	267.3	268.8	269.9	270.1	270.4
39°	265.3	264.7	266.5	267.3	267.8	267.7
39.5°	262.9	262.4	263.9	265.0	265.7	265.5
40°	260.5	260.0	261.3	262.5	262.7	262.9
40.5°	258.0	257.3	258.9	260.0	261.2	260.4
41°	255.4	254.9	256.4	257.3	257.6	257.7
41.5°	252.8	252.2	253.9	254.9	256.1	255.5
42°	250.4	249.7	251.2	252.4	252.6	252.6
42.5°	247.8	247.3	248.7	249.9	250.2	250.3
43°	245.1	244.4	246.3	247.2	247.4	247.7
43.5°	242.5	242.1	243.6	244.9	245.7	245.0
44°	240.0	239.4	241.0	242.0	242.4	242.5
44.5°	237.3	236.7	238.4	239.6	239.7	239.9

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	235.0	234.3	235.7	236.7	237.5	237.1
45.5°	232.0	231.5	233.1	234.1	234.7	234.6
46°	229.4	228.9	230.6	231.6	232.0	231.8
46.5°	227.0	226.0	227.8	229.0	229.1	229.2
47°	224.1	223.7	225.1	226.1	227.1	226.5
47.5°	221.3	220.8	222.5	223.6	223.4	223.8
48°	218.7	218.3	219.8	220.8	221.9	221.0
48.5°	216.1	215.4	217.0	218.1	217.0	218.4
49°	213.2	212.8	214.3	215.4	217.0	215.7
49.5°	210.6	210.0	211.6	212.8	212.8	213.0
50°	208.0	207.5	208.8	209.9	210.0	210.1
50.5°	205.1	204.6	206.0	207.4	207.6	207.4
51°	202.3	202.0	203.3	204.6	205.1	204.6
51.5°	199.8	199.3	200.5	201.9	201.9	202.0
52°	196.9	196.5	197.8	199.1	199.8	199.1
52.5°	194.3	193.9	195.1	196.4	196.9	196.4
53°	191.5	191.1	192.4	193.6	193.8	193.7
53.5°	189.0	188.3	189.6	190.9	191.5	191.0
54°	185.9	185.5	186.9	188.1	187.9	188.0
54.5°	183.0	182.8	184.3	185.3	186.0	185.4
55°	181.0	180.1	181.5	182.5	182.7	182.7
55.5°	178.0	177.4	178.9	179.7	180.4	180.1
56°	175.0	174.6	176.2	177.3	177.1	177.0
56.5°	172.4	171.8	173.4	174.0	174.7	174.5
57°	169.6	169.1	170.6	171.4	171.5	171.6
57.5°	166.9	166.3	167.8	168.6	169.0	168.9
58°	164.0	163.5	165.2	165.8	165.9	166.0
58.5°	161.3	160.6	162.5	162.9	163.1	163.3
59°	158.5	157.8	159.4	160.3	160.6	160.4
59.5°	155.7	155.0	156.8	157.4	158.1	157.7
60°	152.9	152.3	154.0	154.5	154.8	154.8
60.5°	150.1	149.3	151.1	151.7	151.8	151.9
61°	147.3	146.6	148.4	149.1	149.4	149.1
61.5°	144.6	143.8	145.5	146.0	146.4	146.3
62°	141.8	141.1	142.7	143.4	143.6	143.4
62.5°	139.0	138.2	139.9	140.4	140.8	140.5
63°	136.0	135.4	136.9	137.7	138.0	137.6
63.5°	133.2	132.7	134.1	134.7	135.0	134.8
64°	130.5	129.9	131.3	131.9	132.1	131.9
64.5°	127.6	126.9	128.4	129.0	129.2	129.1
65°	124.8	124.3	125.6	126.1	126.4	126.2
65.5°	122.0	121.5	122.7	123.2	123.5	123.3
66°	119.1	118.5	119.9	120.3	120.6	120.4
66.5°	116.4	115.8	117.0	117.5	117.8	117.6
67°	113.4	112.9	114.1	114.7	115.1	114.7

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	110.7	110.5	111.3	111.8	112.0	111.8
68°	107.8	107.3	108.5	109.0	109.3	109.0
68.5°	105.0	104.6	105.7	106.2	106.5	106.3
69°	102.2	101.9	102.8	103.4	103.7	103.4
69.5°	99.5	99.2	100.0	100.5	100.8	100.5
70°	96.7	96.1	97.3	97.8	98.0	97.7
70.5°	93.9	93.7	94.5	94.9	95.2	94.9
71°	91.2	91.0	91.6	92.3	92.5	92.1
71.5°	88.4	87.9	88.8	89.6	89.7	89.3
72°	85.7	85.5	86.1	86.8	86.9	86.5
72.5°	83.1	82.8	83.4	84.0	84.2	83.7
73°	80.3	80.1	80.6	81.5	81.5	81.0
73.5°	77.6	77.3	78.0	78.7	78.8	78.2
74°	75.1	74.8	75.2	76.1	76.1	75.6
74.5°	72.4	72.0	72.6	73.3	73.4	72.8
75°	69.8	69.5	69.9	70.9	70.7	70.1
75.5°	67.2	66.8	67.3	68.0	68.2	67.5
76°	64.6	64.2	64.6	65.5	65.3	64.8
76.5°	62.0	61.6	62.0	62.8	62.8	62.1
77°	59.5	59.1	59.4	60.1	60.1	59.6
77.5°	57.0	56.5	56.9	57.6	57.6	57.0
78°	54.4	54.1	54.3	55.1	55.0	54.4
78.5°	51.9	51.5	51.9	52.5	52.4	51.9
79°	49.4	49.0	49.4	49.9	49.9	49.4
79.5°	47.0	46.5	46.9	47.4	47.3	46.8
80°	44.5	44.2	44.4	44.9	44.9	44.3
80.5°	42.1	41.8	42.1	42.5	42.3	42.0
81°	39.6	39.4	39.8	40.1	40.0	39.6
81.5°	37.3	37.0	37.4	37.7	37.6	37.2
82°	34.8	34.7	35.0	35.4	35.2	34.8
82.5°	32.5	32.3	32.6	33.0	32.9	32.4
83°	30.2	29.9	30.3	30.6	30.5	30.0
83.5°	27.9	27.6	28.0	28.3	28.2	27.7
84°	25.7	25.4	25.7	25.9	25.9	25.5
84.5°	23.5	23.1	23.5	23.8	23.7	23.2
85°	21.3	20.9	21.3	21.5	21.4	20.9
85.5°	19.0	18.6	19.1	19.4	19.3	18.8
86°	16.9	16.5	17.0	17.1	17.1	16.6
86.5°	14.8	14.4	14.9	15.1	14.9	14.5
87°	12.8	12.3	12.8	13.0	12.8	12.5
87.5°	10.7	10.4	10.9	11.0	10.9	10.6
88°	8.7	8.4	9.0	9.1	9.0	8.7
88.5°	6.7	6.5	7.1	7.2	7.1	6.7
89°	4.6	4.2	4.9	5.0	4.9	4.4
89.5°	2.7	3.2	3.9	4.1	3.9	3.3

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	1.3	2.2	3.0	3.1	2.9	2.3
90.5°	0.4	1.1	2.0	2.1	2.0	1.2
91°	0.1	0.1	1.1	1.1	1.0	0.1
91.5°	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	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
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: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.2	0.1	0.1
116°	0.1	0.1	0.1	0.2	0.1	0.1
116.5°	0.1	0.1	0.1	0.2	0.1	0.1
117°	0.1	0.1	0.1	0.2	0.1	0.1
117.5°	0.1	0.1	0.1	0.2	0.1	0.1
118°	0.1	0.1	0.1	0.2	0.1	0.1
118.5°	0.1	0.1	0.1	0.2	0.1	0.1
119°	0.1	0.1	0.1	0.2	0.1	0.1
119.5°	0.1	0.1	0.1	0.2	0.1	0.1
120°	0.1	0.1	0.1	0.2	0.1	0.1
120.5°	0.1	0.1	0.1	0.2	0.1	0.1
121°	0.1	0.1	0.1	0.2	0.1	0.1
121.5°	0.1	0.2	0.1	0.2	0.1	0.1
122°	0.1	0.2	0.1	0.2	0.1	0.1
122.5°	0.1	0.2	0.2	0.2	0.1	0.1
123°	0.1	0.2	0.2	0.2	0.1	0.1
123.5°	0.1	0.2	0.2	0.2	0.2	0.1
124°	0.2	0.2	0.2	0.2	0.2	0.1
124.5°	0.2	0.2	0.2	0.2	0.2	0.1
125°	0.2	0.2	0.2	0.2	0.2	0.2
125.5°	0.2	0.2	0.2	0.2	0.2	0.2
126°	0.2	0.2	0.2	0.2	0.2	0.2
126.5°	0.2	0.2	0.2	0.2	0.2	0.2
127°	0.2	0.2	0.2	0.2	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.2	0.2
128°	0.2	0.2	0.2	0.2	0.2	0.2
128.5°	0.2	0.2	0.2	0.2	0.2	0.2
129°	0.2	0.2	0.2	0.2	0.2	0.2
129.5°	0.2	0.2	0.2	0.2	0.2	0.2
130°	0.2	0.2	0.2	0.2	0.2	0.2
130.5°	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2
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: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

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°	0.3	0.2	0.2	0.2	0.2	0.2
142°	0.3	0.2	0.2	0.2	0.2	0.2
142.5°	0.3	0.2	0.2	0.2	0.2	0.2
143°	0.3	0.2	0.2	0.2	0.2	0.2
143.5°	0.3	0.2	0.2	0.2	0.2	0.2
144°	0.3	0.2	0.2	0.2	0.2	0.2
144.5°	0.3	0.2	0.2	0.2	0.2	0.2
145°	0.3	0.2	0.2	0.2	0.2	0.2
145.5°	0.3	0.2	0.2	0.2	0.2	0.2
146°	0.3	0.2	0.2	0.2	0.2	0.2
146.5°	0.3	0.2	0.2	0.2	0.2	0.2
147°	0.3	0.2	0.2	0.2	0.2	0.2
147.5°	0.3	0.2	0.2	0.2	0.2	0.2
148°	0.3	0.2	0.3	0.2	0.2	0.2
148.5°	0.3	0.2	0.3	0.2	0.2	0.2
149°	0.3	0.2	0.3	0.2	0.2	0.2
149.5°	0.3	0.2	0.3	0.2	0.2	0.2
150°	0.3	0.2	0.3	0.2	0.2	0.2
150.5°	0.3	0.2	0.3	0.2	0.2	0.2
151°	0.3	0.2	0.3	0.2	0.2	0.2
151.5°	0.3	0.2	0.3	0.2	0.2	0.2
152°	0.3	0.2	0.3	0.2	0.2	0.2
152.5°	0.3	0.2	0.3	0.2	0.2	0.2
153°	0.3	0.2	0.3	0.2	0.2	0.2
153.5°	0.3	0.2	0.3	0.2	0.2	0.2
154°	0.3	0.2	0.3	0.2	0.2	0.2
154.5°	0.3	0.2	0.3	0.2	0.2	0.2
155°	0.3	0.2	0.3	0.2	0.2	0.2
155.5°	0.3	0.2	0.3	0.2	0.2	0.2
156°	0.3	0.2	0.3	0.3	0.2	0.2
156.5°	0.3	0.2	0.3	0.3	0.3	0.2
157°	0.3	0.2	0.3	0.3	0.3	0.2

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.3	0.3	0.3	0.2
158°	0.3	0.2	0.3	0.3	0.3	0.2
158.5°	0.3	0.2	0.3	0.3	0.3	0.2
159°	0.3	0.2	0.3	0.3	0.3	0.2
159.5°	0.3	0.2	0.3	0.3	0.3	0.2
160°	0.3	0.2	0.3	0.3	0.3	0.2
160.5°	0.3	0.2	0.3	0.3	0.3	0.2
161°	0.3	0.2	0.3	0.3	0.3	0.2
161.5°	0.3	0.2	0.3	0.3	0.3	0.2
162°	0.3	0.2	0.3	0.3	0.3	0.2
162.5°	0.3	0.2	0.3	0.3	0.3	0.2
163°	0.3	0.2	0.3	0.3	0.3	0.2
163.5°	0.3	0.2	0.3	0.3	0.3	0.2
164°	0.3	0.2	0.3	0.3	0.3	0.2
164.5°	0.3	0.2	0.3	0.3	0.3	0.2
165°	0.3	0.2	0.3	0.3	0.3	0.2
165.5°	0.3	0.3	0.3	0.3	0.3	0.2
166°	0.3	0.3	0.4	0.3	0.3	0.3
166.5°	0.3	0.3	0.4	0.3	0.3	0.3
167°	0.3	0.3	0.4	0.4	0.3	0.3
167.5°	0.3	0.3	0.4	0.4	0.3	0.3
168°	0.3	0.3	0.4	0.4	0.3	0.3
168.5°	0.3	0.3	0.4	0.4	0.3	0.3
169°	0.3	0.3	0.4	0.4	0.3	0.3
169.5°	0.3	0.3	0.4	0.4	0.3	0.3
170°	0.3	0.3	0.4	0.4	0.3	0.3
170.5°	0.3	0.3	0.4	0.4	0.3	0.3
171°	0.3	0.3	0.4	0.4	0.3	0.3
171.5°	0.3	0.3	0.4	0.4	0.3	0.2
172°	0.3	0.3	0.4	0.4	0.3	0.2
172.5°	0.3	0.3	0.4	0.4	0.3	0.2
173°	0.3	0.3	0.4	0.3	0.2	0.2
173.5°	0.3	0.3	0.4	0.3	0.2	0.2
174°	0.3	0.3	0.3	0.3	0.2	0.2
174.5°	0.3	0.3	0.3	0.2	0.2	0.2
175°	0.3	0.3	0.3	0.2	0.2	0.2
175.5°	0.4	0.3	0.2	0.2	0.2	0.2
176°	0.3	0.2	0.2	0.2	0.2	0.2
176.5°	0.3	0.2	0.3	0.3	0.2	0.2
177°	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3

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

Scaled Data Report

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.3	0.3	0.3	0.3	0.3	0.3

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

TEST NUMBER: P1596613
CATALOG NUMBER: HLB3LSFS5-HI-2700K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	28.15	29.78	28.51	30.10	30.41	27.96	29.60	28.33	29.91	30.23
	3H	30.00	31.47	30.38	31.80	32.17	29.76	31.24	30.14	31.57	31.93
	4H	30.71	32.11	31.11	32.45	32.83	30.45	31.85	30.85	32.19	32.57
	6H	31.27	32.56	31.69	32.93	33.32	30.98	32.27	31.40	32.64	33.03
	8H	31.47	32.71	31.90	33.10	33.50	31.16	32.40	31.59	32.79	33.19
	12H	31.57	32.75	32.00	33.14	33.57	31.24	32.43	31.68	32.81	33.24
4H	2H	28.78	30.17	29.18	30.52	30.90	28.60	29.99	29.00	30.34	30.72
	3H	30.85	32.02	31.27	32.42	32.83	30.62	31.79	31.03	32.19	32.59
	4H	31.71	32.77	32.14	33.18	33.62	31.44	32.50	31.87	32.91	33.35
	6H	32.41	33.34	32.86	33.78	34.23	32.10	33.02	32.55	33.47	33.92
	8H	32.66	33.53	33.12	33.98	34.44	32.33	33.20	32.79	33.64	34.11
	12H	32.83	33.61	33.31	34.09	34.56	32.47	33.25	32.95	33.73	34.20
8H	4H	32.04	32.90	32.50	33.35	33.82	31.76	32.63	32.22	33.08	33.54
	6H	32.87	33.60	33.37	34.09	34.56	32.55	33.27	33.05	33.76	34.24
	8H	33.22	33.86	33.73	34.37	34.86	32.86	33.51	33.37	34.02	34.50
	12H	33.48	34.06	33.99	34.55	35.11	33.09	33.66	33.59	34.15	34.72
12H	4H	32.08	32.86	32.56	33.33	33.81	31.80	32.58	32.29	33.06	33.53
	6H	32.94	33.59	33.45	34.10	34.59	32.62	33.27	33.13	33.78	34.26
	8H	33.35	33.92	33.86	34.41	34.98	32.99	33.56	33.49	34.05	34.61

END OF REPORT