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: P1596617

Luminaire Tested: HLB3LSFS5-HI-5000K

Issue Date: 10/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1596617
	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-5000K
Description:	HLB3 3" ROUND SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	5000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

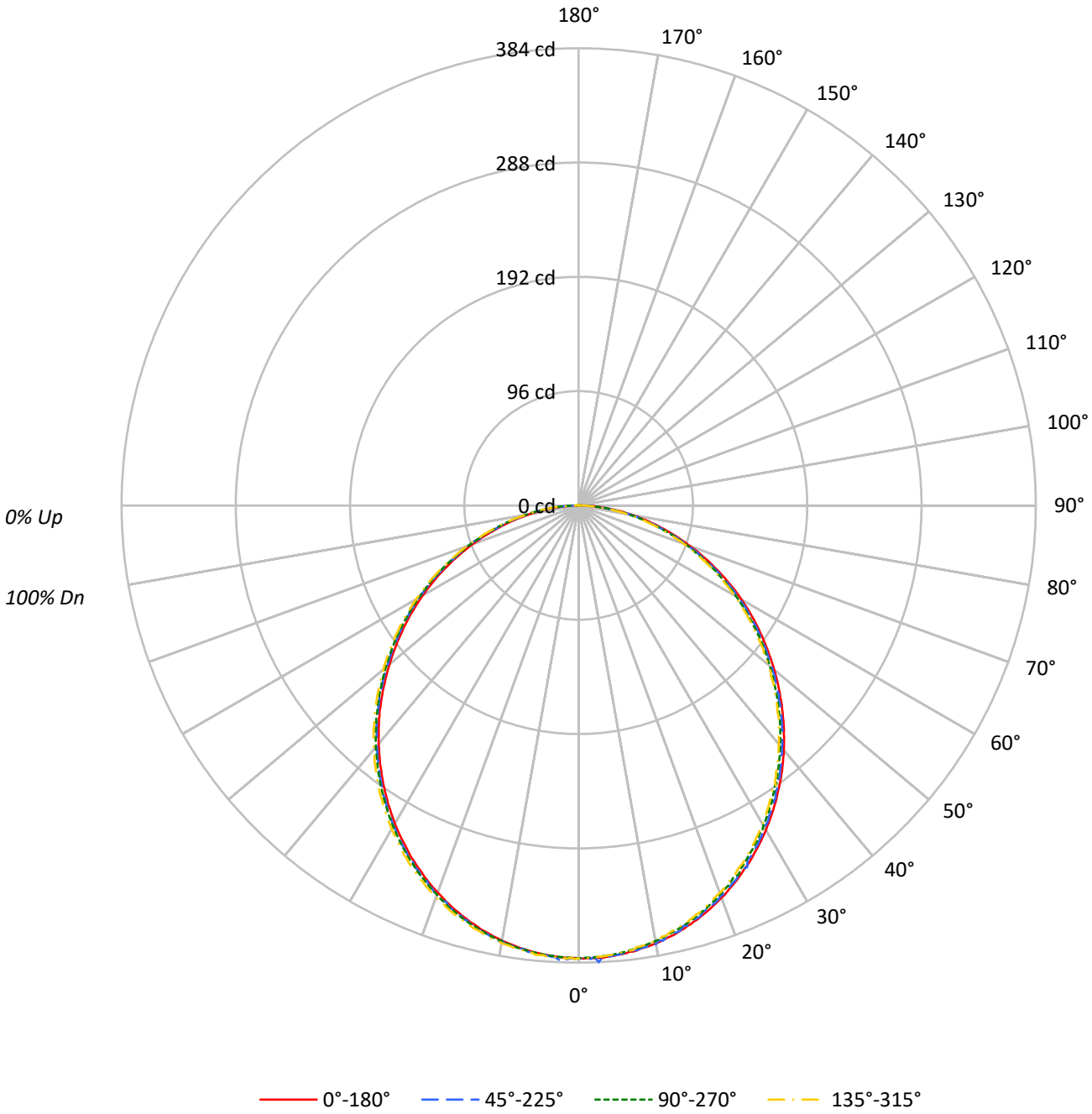
Lumens per Lamp:	N/A
Luminaire Lumens:	1040.0 lumens
Efficiency:	N/A
Efficacy:	101.0 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.18' x L: 0.18' x H: 0')
CIE Type:	Direct
Input Watts (W):	10.3
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	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°	120723	120723	120723	120723
5°	120706	120324	120324	120451
10°	120394	119717	119652	119814
15°	119593	118739	118344	118936
20°	118440	117359	116886	117562
25°	116990	115764	115134	115975
30°	115286	113637	113124	114150
35°	113243	111384	110803	112081
40°	111027	109163	108293	109826
45°	108522	106413	105470	107221
50°	105755	103484	102447	104422
55°	103024	100478	99427	101640
60°	100158	97048	96096	98571
65°	96570	93040	92214	95143
70°	92418	88706	87500	90933
75°	87671	83502	81908	86936
80°	82607	77307	75297	82241
85°	77923	67727	66635	77559

MAXIMUM LUMINANCE 45°-90°:

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	3.5
10°-20°	102.1	9.8
20°-30°	152.7	14.7
30°-40°	180.8	17.4
40°-50°	183.8	17.7
50°-60°	163.5	15.7
60°-70°	124.3	12.0
70°-80°	73.4	7.1
80°-90°	22.4	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°	290.7	27.9
0°-40°	471.5	45.3
0°-60°	818.8	78.7
0°-90°	1039.0	99.9
90°-120°	0.4	0.0
90°-150°	0.8	0.1
90°-180°	1.0	0.1
0°-180°	1040.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	380	380	380	380	380	
5°	379	378	378	378	379	36
15°	364	361	360	362	364	103
25°	334	331	329	331	334	154
35°	292	288	286	289	292	183
45°	242	237	235	239	242	187
55°	186	182	180	184	186	167
65°	129	124	123	127	129	127
75°	72	68	67	71	72	76
85°	21	19	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	380.4	380.4	380.4	380.4	380.4	380.4	380.4	380.4	380.4	380.4	380.4
0.5°	380.6	379.0	380.6	381.2	379.9	380.3	381.1	380.9	380.1	380.9	380.9
1°	380.4	383.3	380.5	381.4	379.9	380.1	380.2	380.1	380.2	379.6	380.4
1.5°	380.4	379.4	381.1	380.4	379.7	380.2	380.1	380.1	380.1	380.4	381.6
2°	380.5	381.0	379.4	380.5	379.8	379.8	380.0	379.8	379.8	380.1	379.2
2.5°	380.2	380.1	384.0	380.6	379.4	379.7	379.4	379.8	379.7	379.4	382.1
3°	380.5	380.4	380.2	380.4	379.0	379.2	379.5	379.3	379.3	381.4	379.8
3.5°	379.9	379.3	379.5	380.5	379.1	379.1	379.0	378.9	378.9	378.5	379.7
4°	379.6	380.1	379.6	379.9	378.5	378.5	378.4	378.6	378.6	378.5	379.0
4.5°	379.5	380.0	378.9	378.7	378.2	378.2	378.4	378.2	378.2	378.7	378.5
5°	378.9	378.4	378.8	379.2	377.7	377.5	377.5	377.7	377.7	378.2	378.6
5.5°	378.6	379.0	378.1	378.1	377.4	377.4	377.1	377.0	377.2	377.3	377.6
6°	378.3	379.1	377.8	377.7	376.9	376.8	376.1	377.1	376.8	377.0	377.5
6.5°	377.4	374.0	377.9	377.4	376.2	376.2	376.3	375.9	376.2	376.7	377.2
7°	377.4	378.0	376.4	377.0	375.7	375.8	376.0	375.5	375.5	376.1	375.5
7.5°	376.9	378.3	376.7	376.9	375.1	375.0	374.0	374.9	375.0	375.0	375.4
8°	375.9	375.2	375.7	375.3	374.6	374.4	374.1	374.1	374.2	375.0	375.7
8.5°	375.4	376.0	375.2	374.9	373.8	373.7	373.4	373.2	373.4	373.9	374.0
9°	374.9	374.8	375.1	374.2	372.9	372.7	372.7	372.6	372.6	372.6	373.8
9.5°	374.2	374.1	372.9	373.0	372.3	372.0	372.1	371.5	371.8	372.7	373.4
10°	373.6	373.3	374.3	372.9	371.5	371.4	370.6	371.1	371.3	371.1	371.2
10.5°	372.8	372.4	371.5	370.5	370.8	370.3	370.5	370.0	370.1	371.3	372.5
11°	371.9	371.8	372.5	372.7	369.8	369.6	368.8	368.9	369.3	369.0	368.9
11.5°	370.9	370.9	369.7	369.2	368.7	368.5	368.9	367.9	368.2	367.6	369.4
12°	370.2	369.9	368.9	368.5	367.9	367.6	366.8	367.1	367.1	367.8	368.3
12.5°	369.3	368.9	368.3	368.6	366.9	366.6	365.7	366.1	366.1	365.6	367.0
13°	368.3	368.3	367.8	366.7	366.0	365.4	366.4	364.9	365.3	365.7	366.5
13.5°	367.2	366.7	367.0	365.9	364.9	364.3	363.6	363.6	364.0	363.9	365.5
14°	366.4	366.0	363.9	365.0	363.6	363.4	362.5	362.8	362.7	364.1	363.6
14.5°	364.9	364.9	364.6	363.2	362.7	362.0	362.3	361.4	361.7	362.1	363.2
15°	364.0	363.7	362.9	363.0	361.4	361.0	360.4	360.1	360.2	360.7	360.9
15.5°	362.5	362.4	361.2	361.1	360.2	359.6	359.2	359.1	359.1	360.0	360.7
16°	361.7	361.4	360.7	359.7	359.0	358.2	357.7	357.7	357.8	358.7	358.5
16.5°	360.3	359.8	359.8	359.3	357.5	356.8	356.9	356.4	356.4	356.3	358.3
17°	359.0	359.0	357.1	357.6	356.3	355.9	355.1	354.9	355.2	357.0	356.2
17.5°	357.7	357.5	356.1	355.9	355.1	354.2	353.8	353.7	353.7	353.9	355.2
18°	356.5	356.0	356.1	354.9	353.5	352.7	352.5	352.2	352.1	353.7	354.0
18.5°	354.9	355.3	353.6	353.3	352.0	351.9	350.9	350.6	350.8	350.8	351.1
19°	353.5	353.1	352.7	351.8	350.9	350.0	349.0	349.0	349.2	350.1	351.1
19.5°	352.2	351.5	351.2	350.5	349.1	348.2	347.5	347.7	347.5	347.6	349.3
20°	350.7	350.5	349.0	349.0	347.5	347.0	346.4	346.1	346.1	348.4	347.4
20.5°	349.3	348.9	348.2	347.1	346.3	345.3	344.9	344.4	344.6	346.1	346.6
21°	347.7	347.3	346.3	345.5	344.4	343.5	343.4	342.8	343.0	343.7	344.3
21.5°	346.0	345.4	344.8	344.0	343.1	342.2	341.3	341.1	341.2	341.7	343.4
22°	344.4	344.2	343.3	342.3	341.0	340.3	339.5	339.6	339.6	341.9	340.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	342.8	342.4	*341.7*	340.6	338.9	338.7	338.2	337.8	337.9	338.8	339.6
23°	341.2	340.7	*340.4*	338.9	338.4	336.8	336.5	335.9	336.0	335.8	338.6
23.5°	339.5	338.7	*337.3*	336.9	337.6	335.3	334.2	334.3	334.1	336.1	335.7
24°	337.6	337.4	*336.4*	335.1	334.0	333.4	332.2	332.4	332.6	332.3	334.4
24.5°	335.7	334.4	*335.2*	333.6	332.5	331.6	331.2	330.6	330.6	329.3	333.4
25°	334.1	334.4	*335.1*	331.7	330.6	329.5	329.0	328.4	328.8	332.4	329.8
25.5°	332.4	332.4	*329.6*	329.8	328.6	327.8	327.1	326.7	327.0	327.5	328.9
26°	330.6	329.8	*328.7*	328.0	326.5	325.9	325.1	324.7	324.9	325.5	326.9
26.5°	328.6	326.6	*327.6*	325.9	324.7	324.0	323.2	323.0	322.9	324.1	324.8
27°	326.5	328.3	*324.6*	324.0	323.1	321.9	320.9	320.8	320.8	321.5	323.1
27.5°	324.8	323.3	*323.2*	322.1	320.9	320.0	319.4	318.9	318.9	320.1	321.1
28°	322.7	321.6	*321.5*	319.8	319.2	317.9	317.1	316.6	317.0	318.2	318.7
28.5°	320.7	320.0	*318.8*	318.0	316.8	315.7	315.1	315.1	314.9	314.2	317.1
29°	318.6	318.5	*317.4*	316.0	314.3	313.7	313.1	312.7	312.8	314.7	315.1
29.5°	316.7	315.6	*314.6*	313.2	313.6	311.8	310.9	310.6	310.7	311.5	312.5
30°	314.6	314.5	*312.7*	312.3	310.1	309.3	309.1	308.4	308.7	309.5	311.0
30.5°	312.3	312.1	*310.4*	309.0	308.5	307.4	306.6	306.5	306.3	307.2	308.7
31°	310.4	311.0	*309.2*	307.6	306.2	305.3	304.6	304.0	304.1	305.3	306.6
31.5°	308.1	306.4	*305.9*	305.1	304.1	302.9	302.1	302.1	302.1	302.8	304.2
32°	306.0	306.1	*304.3*	302.9	301.8	300.6	300.0	299.8	299.7	300.9	302.4
32.5°	303.8	302.6	*301.9*	301.7	299.2	298.5	297.6	296.9	297.7	298.0	299.8
33°	301.6	301.1	*300.7*	297.5	297.6	296.1	295.1	295.7	295.2	295.9	297.4
33.5°	299.3	298.7	*297.4*	296.5	294.9	293.9	293.8	292.9	292.8	294.0	294.9
34°	297.1	296.1	*295.8*	293.4	292.5	291.7	290.7	290.4	290.6	291.8	293.4
34.5°	294.5	294.3	*291.9*	291.7	290.6	289.3	286.8	288.2	288.2	289.0	290.7
35°	292.3	291.7	*290.8*	289.3	287.5	286.8	288.9	285.8	286.0	287.1	288.3
35.5°	290.2	289.3	*287.6*	286.5	286.0	284.6	283.9	283.3	283.5	283.9	285.9
36°	287.6	286.8	*285.0*	284.4	283.9	282.2	281.8	281.1	281.2	283.8	283.5
36.5°	285.4	284.6	*284.1*	282.0	281.0	279.8	278.8	278.7	278.6	279.8	281.3
37°	282.9	282.0	*280.9*	279.5	278.5	277.3	276.8	276.4	276.2	276.8	278.3
37.5°	280.7	279.7	*278.3*	277.0	275.8	275.0	274.1	273.4	273.9	274.5	276.4
38°	278.1	276.3	*276.2*	274.5	273.6	272.3	271.7	271.4	271.3	272.8	273.3
38.5°	275.7	274.9	*273.4*	271.9	270.9	269.6	269.0	268.8	268.9	269.9	271.6
39°	272.9	272.9	*270.4*	269.8	268.8	267.2	266.6	266.2	266.4	267.2	268.6
39.5°	270.7	269.1	*268.9*	266.8	265.9	265.0	264.1	263.6	263.8	265.3	266.1
40°	268.0	267.7	*265.5*	264.2	263.5	262.2	261.5	261.1	261.4	262.7	263.9
40.5°	265.5	265.4	*263.4*	261.9	260.6	259.7	259.2	258.7	258.8	259.0	261.1
41°	262.8	261.2	*260.4*	259.1	258.5	257.1	256.1	255.8	256.1	257.9	258.8
41.5°	260.5	260.3	*258.0*	256.6	255.7	254.5	253.6	253.5	253.5	254.6	256.0
42°	257.6	256.0	*255.9*	253.7	253.2	251.9	251.4	250.8	251.1	252.1	253.3
42.5°	255.2	254.7	*253.0*	251.4	250.3	249.5	248.4	248.1	248.4	249.3	251.3
43°	252.6	250.8	*250.4*	248.8	248.1	246.5	246.1	245.6	245.8	247.0	248.4
43.5°	249.8	249.3	*247.8*	245.9	244.9	243.9	244.2	242.8	242.9	244.1	245.4
44°	247.2	245.9	*245.0*	243.4	242.4	241.2	240.1	240.0	240.7	241.3	242.9
44.5°	244.6	244.1	*242.0*	240.5	239.7	238.5	238.0	237.7	237.6	239.0	240.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	241.8	241.2	240.2	237.8	237.1	235.9	235.3	234.2	235.0	235.7	237.5
45.5°	239.2	238.1	237.2	235.0	234.5	233.2	232.3	232.5	232.2	234.0	234.9
46°	236.3	235.8	233.3	232.2	231.6	230.4	229.7	229.4	229.5	230.7	232.4
46.5°	233.6	232.9	232.1	229.8	228.9	227.7	227.0	226.7	226.8	228.0	229.4
47°	230.9	229.9	228.4	226.8	226.1	224.9	224.1	223.5	224.2	225.2	227.0
47.5°	228.2	227.5	225.5	224.2	223.4	222.1	221.9	221.4	221.2	222.3	223.8
48°	225.4	224.8	223.4	221.4	220.4	219.3	218.8	217.9	218.4	219.7	221.4
48.5°	222.7	221.7	220.2	218.5	218.1	216.5	215.7	215.5	215.9	217.1	218.4
49°	219.9	218.9	218.0	215.9	215.2	213.7	213.8	212.9	213.0	214.1	215.6
49.5°	217.1	216.2	214.3	213.1	212.4	211.1	210.4	209.6	210.2	211.5	212.9
50°	214.2	213.3	212.1	210.3	209.6	208.0	207.4	207.8	207.5	208.4	210.1
50.5°	211.5	210.8	209.2	207.5	206.9	205.3	205.1	204.5	204.6	206.3	207.2
51°	208.6	207.8	206.3	204.7	204.1	202.6	202.5	201.8	201.9	202.9	204.6
51.5°	205.9	204.9	203.4	201.7	201.5	199.8	198.6	198.7	199.0	199.7	201.9
52°	203.0	203.4	200.5	199.4	198.4	197.0	197.3	196.9	196.3	198.7	199.1
52.5°	200.3	199.0	198.0	197.5	195.8	194.5	193.7	193.4	193.3	194.5	195.9
53°	197.5	196.9	195.2	192.3	193.0	191.5	190.9	190.4	190.7	192.4	193.8
53.5°	194.7	194.0	192.3	191.3	190.1	188.8	188.0	187.7	187.9	189.1	190.8
54°	191.7	191.2	190.0	187.6	187.2	185.9	185.4	184.9	185.1	186.0	187.8
54.5°	189.1	188.6	186.5	185.2	184.3	183.2	182.3	182.0	182.3	183.7	185.2
55°	186.2	185.1	183.9	183.1	181.6	180.4	179.6	179.2	179.7	180.5	182.4
55.5°	183.6	182.8	181.1	178.8	178.5	177.6	176.7	176.3	176.8	177.8	179.4
56°	180.5	179.6	178.5	176.5	176.0	174.8	173.8	173.7	174.0	175.2	177.4
56.5°	177.9	176.6	174.8	174.2	173.0	172.0	170.9	170.5	171.2	172.0	173.8
57°	175.0	173.7	173.1	170.0	169.9	169.0	168.2	167.9	168.5	170.2	171.1
57.5°	172.2	170.8	169.4	168.4	167.3	166.3	165.3	165.0	165.5	166.5	168.3
58°	169.3	168.0	166.8	165.2	164.2	163.4	162.1	162.4	162.7	163.5	166.0
58.5°	166.5	165.2	164.5	161.8	161.6	160.5	159.8	158.9	160.0	160.9	162.2
59°	163.5	161.9	160.9	159.6	158.6	157.7	156.6	156.8	157.0	158.1	160.4
59.5°	160.8	159.1	158.4	156.5	155.7	154.8	153.8	153.9	154.2	155.2	156.6
60°	157.8	156.5	156.4	153.4	152.9	151.9	150.9	150.7	151.4	152.0	155.0
60.5°	154.8	153.4	151.7	150.8	150.0	149.0	148.2	147.6	148.5	149.8	151.6
61°	152.0	150.7	149.8	147.7	147.2	146.1	145.3	145.2	145.6	146.6	148.4
61.5°	149.2	148.2	146.5	144.6	144.2	143.2	142.4	142.4	142.7	143.7	145.9
62°	146.2	144.5	143.8	142.0	141.3	140.3	139.5	139.2	139.9	140.9	142.9
62.5°	143.3	141.9	140.8	139.2	138.5	137.5	136.6	136.5	137.0	138.1	140.4
63°	140.3	139.1	137.8	135.8	135.4	134.5	133.7	133.9	134.2	135.3	137.0
63.5°	137.5	136.0	135.0	132.8	132.6	131.6	130.7	130.6	131.4	132.4	134.3
64°	134.5	133.5	132.0	130.4	129.7	128.7	127.9	128.1	128.5	129.6	131.2
64.5°	131.6	130.2	129.1	127.3	126.8	125.8	125.2	124.7	125.6	126.9	128.6
65°	128.6	127.6	126.1	124.1	123.9	122.8	122.1	122.0	122.8	123.8	125.6
65.5°	125.7	125.1	123.2	121.5	121.0	120.0	119.2	119.4	119.9	121.1	122.4
66°	122.8	121.6	120.2	118.5	118.2	117.2	116.5	116.3	117.0	118.4	119.8
66.5°	119.9	119.1	117.3	116.0	115.2	114.1	113.2	113.3	114.2	115.0	116.8
67°	117.0	115.8	114.4	112.5	112.2	111.4	110.7	111.1	111.2	112.6	114.2

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

Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	114.0	113.3	*111.5*	110.1	109.9	108.5	107.8	107.5	108.4	109.9	110.6
68°	111.1	109.9	*108.6*	107.2	106.6	105.6	104.9	104.7	105.6	106.4	109.5
68.5°	108.3	107.7	*105.7*	104.0	104.0	102.7	102.1	102.1	102.8	104.4	105.3
69°	105.4	104.4	*102.8*	101.1	101.2	99.9	99.3	99.3	100.0	101.2	102.6
69.5°	102.5	101.5	*99.9*	98.4	98.4	97.1	96.6	96.5	97.1	98.4	100.3
70°	99.6	98.7	*97.0*	95.7	95.6	94.3	93.8	93.7	94.3	95.6	97.9
70.5°	96.7	96.0	*94.4*	92.7	92.7	91.4	91.0	90.9	91.5	92.7	95.5
71°	93.9	93.1	*91.3*	90.0	89.9	88.6	88.2	88.1	88.7	89.9	93.1
71.5°	91.1	90.5	*88.5*	87.1	87.2	85.6	85.4	85.4	85.9	87.4	87.1
72°	88.2	87.4	*85.8*	84.6	84.5	82.9	82.7	82.6	83.1	84.5	86.5
72.5°	85.4	84.8	*82.9*	81.5	81.5	80.1	79.9	79.8	80.5	81.8	83.2
73°	82.6	81.9	*80.1*	79.0	79.4	77.4	77.1	77.1	77.6	79.1	80.0
73.5°	79.8	79.0	*77.3*	76.2	76.0	74.6	74.4	74.5	74.8	76.4	77.5
74°	77.1	76.5	*74.7*	73.4	73.2	71.9	71.8	71.8	72.2	73.8	75.3
74.5°	74.2	73.7	*71.9*	70.7	70.7	69.2	68.9	69.2	69.5	70.9	71.8
75°	71.5	71.1	*69.3*	68.3	68.1	66.4	66.4	66.5	66.8	68.4	69.6
75.5°	68.8	67.9	*66.6*	65.3	65.8	63.8	63.7	63.8	64.2	65.5	66.6
76°	66.1	65.7	*63.9*	62.7	62.5	61.2	61.1	61.2	61.5	63.1	64.3
76.5°	63.3	62.9	*61.2*	60.0	60.0	58.5	58.5	58.9	58.9	60.4	61.7
77°	60.7	60.1	*58.7*	57.6	57.6	55.9	55.9	55.1	56.3	57.9	58.5
77.5°	58.1	57.6	*56.0*	54.7	55.0	53.3	53.2	54.7	53.7	55.3	57.0
78°	55.5	55.0	*53.6*	52.4	52.4	50.8	50.8	51.0	51.2	52.8	53.7
78.5°	52.9	52.2	*50.9*	49.8	49.8	48.3	48.2	48.0	48.7	50.1	51.3
79°	50.4	49.5	*48.3*	47.2	47.2	45.8	45.7	45.6	46.2	47.7	49.0
79.5°	47.7	47.5	*45.8*	44.8	44.7	43.4	43.2	43.8	43.8	45.0	46.3
80°	45.2	44.5	*43.3*	41.7	42.3	40.8	40.7	40.1	41.2	42.9	43.9
80.5°	42.8	41.8	*40.9*	39.4	39.8	38.5	38.3	38.4	38.9	40.2	41.4
81°	40.4	39.5	*38.5*	37.1	37.3	36.1	35.9	36.4	36.4	37.9	39.1
81.5°	37.9	37.1	*36.1*	34.9	34.9	33.7	33.6	33.3	34.0	35.4	36.6
82°	35.5	34.7	*33.6*	32.6	32.5	31.4	31.2	31.3	31.7	33.0	34.2
82.5°	33.0	32.4	*31.2*	30.1	30.2	29.1	28.8	28.9	29.3	30.7	31.9
83°	30.6	30.1	*28.8*	27.7	27.8	26.7	26.5	26.4	27.1	28.4	29.5
83.5°	28.2	27.5	*26.4*	25.6	25.5	24.5	24.4	24.6	24.8	26.1	27.3
84°	26.0	25.3	*24.2*	23.1	23.2	22.3	22.1	22.0	22.6	23.9	25.0
84.5°	23.7	23.1	*21.9*	20.8	20.9	20.1	19.9	19.9	20.4	21.6	22.7
85°	21.4	20.7	*19.7*	18.6	18.6	17.8	17.7	17.8	18.3	19.4	20.5
85.5°	19.1	18.4	*17.5*	16.4	16.4	15.7	15.6	15.6	16.1	17.2	18.6
86°	17.0	16.3	*15.4*	14.3	14.3	13.6	13.5	13.6	14.0	15.1	16.2
86.5°	14.8	14.1	*13.3*	12.3	12.2	11.5	11.5	11.6	12.0	13.0	14.1
87°	12.8	12.1	*11.3*	10.3	10.0	9.4	9.4	9.5	10.0	11.0	12.0
87.5°	10.8	10.1	*9.3*	8.2	7.9	7.3	7.3	7.5	8.0	8.9	9.9
88°	8.9	8.1	*7.1*	5.9	5.7	5.2	5.2	5.4	5.9	6.9	7.8
88.5°	6.8	5.8	*4.7*	3.3	3.6	3.1	3.2	3.4	3.9	4.8	5.8
89°	4.5	3.6	*3.5*	2.5	1.5	1.3	1.5	1.8	2.2	2.8	3.7
89.5°	3.4	2.7	*2.4*	1.7	0.4	0.4	0.6	0.9	1.2	1.6	2.0

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

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	1.0	*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

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Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-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	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
124°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
124.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
125°	0.2	0.2	0.2	0.2	0.1	0.2	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	0.2	0.2	0.2
126.5°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
127°	0.2	0.2	0.2	0.2	0.2	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	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: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-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	0.3
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
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	0.3	0.3
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	0.2	0.2	0.2	0.3	0.3
144.5°	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	0.3	0.3	0.2	0.2	0.3	0.3
146.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3
147°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	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: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-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	0.3	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°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
164.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
165°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3
165.5°	0.3	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	0.4	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	0.4	0.4	0.3
174°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176.5°	0.3	0.3	0.3	0.3	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: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

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: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	380.4	380.4	380.4	380.4	380.4	380.4
0.5°	380.8	379.9	380.4	381.1	380.7	380.6
1°	382.4	380.0	380.2	379.9	380.5	380.4
1.5°	379.0	379.7	380.2	380.8	380.5	380.4
2°	381.2	379.7	379.9	380.2	380.3	380.5
2.5°	*378.8*	*379.5*	*380.0*	*379.8*	*380.2*	*380.2*
3°	381.9	379.1	379.6	380.0	379.9	380.5
3.5°	379.6	379.0	379.6	379.7	380.2	379.9
4°	379.9	378.8	379.1	380.0	379.5	379.6
4.5°	379.8	378.3	379.1	378.9	379.6	379.5
5°	378.9	378.1	378.4	379.0	378.9	378.9
5.5°	378.5	377.5	378.3	379.0	378.8	378.6
6°	378.0	377.2	377.4	377.7	378.2	378.3
6.5°	378.3	376.5	377.2	377.7	377.7	377.4
7°	376.4	376.1	376.8	376.8	377.4	377.4
7.5°	377.6	375.3	376.0	376.6	376.5	376.9
8°	375.0	374.8	375.3	376.0	376.2	375.9
8.5°	375.9	374.1	374.9	375.2	375.7	375.4
9°	373.7	373.3	374.1	374.4	374.6	374.9
9.5°	373.9	372.6	373.4	374.0	373.9	374.2
10°	373.7	371.8	372.5	373.1	373.5	373.6
10.5°	371.0	371.0	371.9	372.1	372.7	372.8
11°	371.2	370.2	371.1	371.2	372.2	371.9
11.5°	369.8	369.2	370.0	371.0	370.2	370.9
12°	369.2	368.3	369.0	369.7	370.3	370.2
12.5°	368.3	367.3	368.3	368.7	368.8	369.3
13°	367.0	366.1	367.2	367.3	368.7	368.3
13.5°	366.2	365.1	366.4	366.4	366.6	367.2
14°	365.0	363.9	365.1	365.8	366.2	366.4
14.5°	363.9	362.9	363.9	364.6	365.2	364.9
15°	362.5	362.0	362.9	363.8	368.7	364.0
15.5°	361.6	360.6	361.6	362.1	360.9	362.5
16°	360.1	359.4	360.3	361.2	361.7	361.7
16.5°	358.8	358.1	359.3	359.8	360.5	360.3
17°	357.7	356.7	357.9	358.7	358.6	359.0
17.5°	356.3	355.2	356.6	357.3	357.6	357.7
18°	354.9	354.5	355.0	356.0	356.6	356.5
18.5°	353.5	352.4	353.8	354.4	356.0	354.9
19°	352.1	351.1	352.3	352.5	353.3	353.5
19.5°	350.5	349.8	351.0	352.1	351.8	352.2
20°	349.0	348.1	349.5	350.1	350.8	350.7
20.5°	347.3	346.5	347.9	348.7	348.5	349.3
21°	345.6	345.0	346.3	347.1	347.5	347.7
21.5°	344.2	343.3	344.9	345.6	345.5	346.0
22°	342.5	341.8	343.2	344.0	345.2	344.4

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

Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	340.9	339.9	341.4	342.0	346.0	342.8
23°	339.2	338.5	339.7	341.1	338.2	341.2
23.5°	337.4	336.8	338.2	338.9	340.4	339.5
24°	335.7	335.1	336.2	337.2	338.3	337.6
24.5°	333.7	332.9	334.5	335.6	335.2	335.7
25°	332.3	331.2	332.6	333.7	334.5	334.1
25.5°	330.0	329.5	330.8	332.1	333.4	332.4
26°	328.3	327.5	328.8	329.5	329.5	330.6
26.5°	326.3	325.6	327.0	328.4	330.3	328.6
27°	324.3	323.8	325.2	326.2	327.7	326.5
27.5°	322.5	321.7	323.2	324.1	323.9	324.8
28°	320.5	319.8	321.3	322.2	322.0	322.7
28.5°	318.2	317.6	319.2	320.2	320.1	320.7
29°	316.4	315.6	317.0	318.2	318.6	318.6
29.5°	314.1	313.5	315.1	316.0	316.9	316.7
30°	312.3	311.5	313.1	314.1	314.1	314.6
30.5°	309.9	309.4	310.9	311.9	312.4	312.3
31°	307.8	307.2	308.7	309.8	310.2	310.4
31.5°	305.7	305.2	306.7	308.1	308.5	308.1
32°	303.5	302.8	304.3	305.3	313.7	306.0
32.5°	301.2	300.6	302.4	303.4	299.5	303.8
33°	299.0	298.3	299.8	301.5	302.3	301.6
33.5°	296.9	296.2	297.7	298.6	300.4	299.3
34°	294.4	293.9	295.4	296.3	296.4	297.1
34.5°	292.2	291.4	293.2	294.4	294.8	294.5
35°	289.9	289.3	290.8	291.9	293.1	292.3
35.5°	287.4	287.0	288.5	289.3	289.4	290.2
36°	285.3	284.5	286.2	287.3	288.4	287.6
36.5°	282.7	282.1	283.8	284.6	285.2	285.4
37°	280.3	279.8	281.3	282.4	283.3	282.9
37.5°	278.0	277.5	279.1	279.9	279.6	280.7
38°	275.5	274.7	276.3	277.5	278.4	278.1
38.5°	273.0	272.5	274.1	275.2	275.4	275.7
39°	270.5	269.9	271.7	272.6	273.1	272.9
39.5°	268.0	267.5	269.0	270.2	270.9	270.7
40°	265.6	265.1	266.4	267.6	267.8	268.0
40.5°	263.1	262.3	264.0	265.1	266.3	265.5
41°	260.4	259.9	261.4	262.4	262.7	262.8
41.5°	257.7	257.1	258.8	259.9	261.2	260.5
42°	255.3	254.6	256.2	257.3	257.6	257.6
42.5°	252.6	252.1	253.6	254.8	255.2	255.2
43°	249.9	249.2	251.1	252.0	252.2	252.6
43.5°	247.3	246.8	248.4	249.7	250.5	249.8
44°	244.7	244.1	245.8	246.7	247.2	247.2
44.5°	241.9	241.4	243.1	244.3	244.4	244.6

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

Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	239.6	238.9	240.4	241.4	242.1	241.8
45.5°	236.5	236.1	237.6	238.7	239.3	239.2
46°	233.9	233.4	235.1	236.1	236.5	236.3
46.5°	231.5	230.5	232.3	233.5	233.6	233.6
47°	228.5	228.1	229.5	230.6	231.6	230.9
47.5°	225.7	225.1	226.8	227.9	227.7	228.2
48°	223.0	222.6	224.1	225.1	226.3	225.4
48.5°	220.3	219.6	221.3	222.4	221.2	222.7
49°	217.4	217.0	218.5	219.7	221.2	219.9
49.5°	214.7	214.2	215.8	216.9	217.0	217.1
50°	212.1	211.5	212.9	214.1	214.1	214.2
50.5°	209.1	208.6	210.1	211.4	211.7	211.5
51°	206.3	205.9	207.2	208.6	209.1	208.6
51.5°	203.7	203.2	204.5	205.9	205.9	205.9
52°	200.8	200.3	201.6	203.0	203.7	203.0
52.5°	198.2	197.7	198.9	200.3	200.7	200.3
53°	195.2	194.9	196.2	197.4	197.6	197.5
53.5°	192.7	192.0	193.3	194.6	195.3	194.7
54°	189.6	189.2	190.6	191.8	191.6	191.7
54.5°	186.6	186.4	187.9	189.0	189.7	189.1
55°	184.5	183.7	185.1	186.1	186.2	186.2
55.5°	181.5	180.8	182.4	183.2	184.0	183.6
56°	178.5	178.0	179.6	180.8	180.6	180.5
56.5°	175.8	175.1	176.8	177.4	178.1	177.9
57°	172.9	172.4	174.0	174.8	174.8	175.0
57.5°	170.1	169.5	171.1	171.9	172.3	172.2
58°	167.2	166.7	168.5	169.0	169.1	169.3
58.5°	164.5	163.8	165.7	166.1	166.3	166.5
59°	161.6	160.9	162.6	163.4	163.7	163.5
59.5°	158.8	158.0	159.9	160.5	161.2	160.8
60°	155.9	155.3	157.0	157.6	157.8	157.8
60.5°	153.0	152.2	154.1	154.7	154.8	154.8
61°	150.2	149.5	151.3	152.0	152.3	152.0
61.5°	147.4	146.6	148.4	148.9	149.3	149.2
62°	144.6	143.8	145.5	146.2	146.4	146.2
62.5°	141.7	140.9	142.6	143.1	143.5	143.3
63°	138.7	138.1	139.6	140.4	140.7	140.3
63.5°	135.8	135.3	136.7	137.4	137.7	137.5
64°	133.1	132.4	133.9	134.4	134.7	134.5
64.5°	130.1	129.4	130.9	131.5	131.8	131.6
65°	127.3	126.7	128.0	128.6	128.9	128.6
65.5°	124.4	123.8	125.1	125.6	125.9	125.7
66°	121.4	120.8	122.2	122.7	123.0	122.8
66.5°	118.7	118.0	119.3	119.8	120.1	119.9
67°	115.6	115.1	116.3	117.0	117.4	117.0

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

Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	112.9	112.7	113.5	114.0	114.2	114.0
68°	110.0	109.4	110.6	111.1	111.5	111.1
68.5°	107.1	106.6	107.8	108.3	108.6	108.3
69°	104.2	103.9	104.8	105.4	105.7	105.4
69.5°	101.4	101.1	102.0	102.4	102.8	102.5
70°	98.6	98.0	99.2	99.7	99.9	99.6
70.5°	95.8	95.5	96.4	96.8	97.1	96.7
71°	93.0	92.8	93.4	94.1	94.3	93.9
71.5°	90.1	89.6	90.6	91.3	91.5	91.1
72°	87.4	87.2	87.8	88.5	88.6	88.2
72.5°	84.7	84.4	85.0	85.7	85.9	85.4
73°	81.9	81.7	82.2	83.1	83.1	82.6
73.5°	79.2	78.8	79.5	80.3	80.3	79.8
74°	76.6	76.2	76.7	77.6	77.5	77.1
74.5°	73.8	73.4	74.0	74.7	74.8	74.2
75°	71.2	70.9	71.3	72.3	72.1	71.5
75.5°	68.5	68.2	68.6	69.4	69.5	68.8
76°	65.8	65.5	65.8	66.8	66.6	66.1
76.5°	63.2	62.8	63.2	64.0	64.0	63.3
77°	60.7	60.2	60.6	61.3	61.3	60.7
77.5°	58.1	57.7	58.1	58.7	58.7	58.1
78°	55.5	55.2	55.4	56.1	56.1	55.5
78.5°	52.9	52.5	52.9	53.5	53.5	52.9
79°	50.3	50.0	50.3	50.9	50.9	50.4
79.5°	47.9	47.4	47.8	48.3	48.3	47.7
80°	45.4	45.0	45.3	45.7	45.8	45.2
80.5°	42.9	42.6	43.0	43.4	43.2	42.8
81°	40.4	40.2	40.5	40.9	40.8	40.4
81.5°	38.0	37.8	38.1	38.5	38.3	37.9
82°	35.5	35.3	35.7	36.0	35.9	35.5
82.5°	33.2	32.9	33.3	33.6	33.5	33.0
83°	30.8	30.5	30.8	31.2	31.1	30.6
83.5°	28.4	28.1	28.5	28.8	28.8	28.2
84°	26.2	25.9	26.2	26.5	26.4	26.0
84.5°	23.9	23.6	24.0	24.2	24.2	23.7
85°	21.7	21.3	21.7	22.0	21.8	21.4
85.5°	19.4	19.0	19.5	19.8	19.6	19.1
86°	17.2	16.8	17.3	17.5	17.4	17.0
86.5°	15.1	14.7	15.2	15.4	15.2	14.8
87°	13.0	12.6	13.1	13.3	13.1	12.8
87.5°	10.9	10.6	11.2	11.2	11.1	10.8
88°	8.9	8.6	9.2	9.3	9.2	8.9
88.5°	6.8	6.6	7.2	7.3	7.2	6.8
89°	4.7	4.3	5.0	5.1	4.9	4.5
89.5°	2.7	3.3	4.0	4.1	4.0	3.4

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

Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	1.3	2.2	3.0	3.1	3.0	2.3
90.5°	0.4	1.2	2.1	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: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-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	0.2	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	0.2	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	0.2	0.2	0.1	0.1
122.5°	0.1	0.2	0.2	0.2	0.2	0.1
123°	0.1	0.2	0.2	0.2	0.2	0.1
123.5°	0.2	0.2	0.2	0.2	0.2	0.1
124°	0.2	0.2	0.2	0.2	0.2	0.2
124.5°	0.2	0.2	0.2	0.2	0.2	0.2
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: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-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°	0.3	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	0.3	0.2	0.2	0.2
147.5°	0.3	0.2	0.3	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	0.3	0.2	0.2
155°	0.3	0.2	0.3	0.3	0.3	0.2
155.5°	0.3	0.2	0.3	0.3	0.3	0.2
156°	0.3	0.2	0.3	0.3	0.3	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: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

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	0.3	0.3	0.3	0.3	0.2
163°	0.3	0.3	0.3	0.3	0.3	0.2
163.5°	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.4	0.3	0.4	0.3	0.3	0.3
165.5°	0.4	0.3	0.4	0.3	0.3	0.3
166°	0.4	0.3	0.4	0.3	0.3	0.3
166.5°	0.4	0.3	0.4	0.4	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°	0.4	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	0.3	0.3	0.3	0.3	0.2
176.5°	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
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
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Scaled Data Report

TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

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

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TEST NUMBER: P1596617
CATALOG NUMBER: HLB3LSFS5-HI-5000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	28.21	29.85	28.58	30.16	30.48	28.03	29.67	28.40	29.98	30.30
	3H	30.06	31.54	30.44	31.87	32.23	29.83	31.31	30.21	31.64	32.00
	4H	30.78	32.17	31.18	32.52	32.90	30.52	31.91	30.92	32.26	32.64
	6H	31.34	32.63	31.75	33.00	33.39	31.05	32.34	31.46	32.71	33.10
	8H	31.54	32.77	31.96	33.16	33.56	31.23	32.46	31.66	32.85	33.26
	12H	31.64	32.82	32.07	33.20	33.64	31.31	32.50	31.74	32.88	33.31
4H	2H	28.85	30.24	29.25	30.59	30.97	28.67	30.06	29.07	30.41	30.79
	3H	30.92	32.09	31.33	32.49	32.89	30.69	31.86	31.10	32.26	32.66
	4H	31.77	32.83	32.21	33.25	33.69	31.50	32.56	31.94	32.98	33.42
	6H	32.48	33.40	32.93	33.84	34.30	32.17	33.09	32.62	33.53	33.99
	8H	32.73	33.60	33.19	34.04	34.51	32.40	33.26	32.86	33.71	34.17
	12H	32.90	33.68	33.38	34.16	34.63	32.54	33.32	33.02	33.80	34.27
8H	4H	32.10	32.97	32.56	33.42	33.88	31.83	32.70	32.29	33.14	33.61
	6H	32.94	33.66	33.44	34.15	34.63	32.62	33.34	33.11	33.83	34.31
	8H	33.28	33.93	33.79	34.44	34.93	32.93	33.58	33.44	34.08	34.57
	12H	33.55	34.12	34.06	34.62	35.18	33.15	33.73	33.66	34.22	34.78
12H	4H	32.14	32.92	32.63	33.40	33.87	31.87	32.65	32.35	33.13	33.60
	6H	33.01	33.66	33.52	34.17	34.66	32.69	33.34	33.20	33.84	34.33
	8H	33.41	33.99	33.92	34.48	35.04	33.05	33.63	33.56	34.12	34.68

END OF REPORT