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: P1596631

Luminaire Tested: HLB3SLSFS5-HI-4000K

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:	P1596631
	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-HI-4000K
Description:	HLB3 3" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	4000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

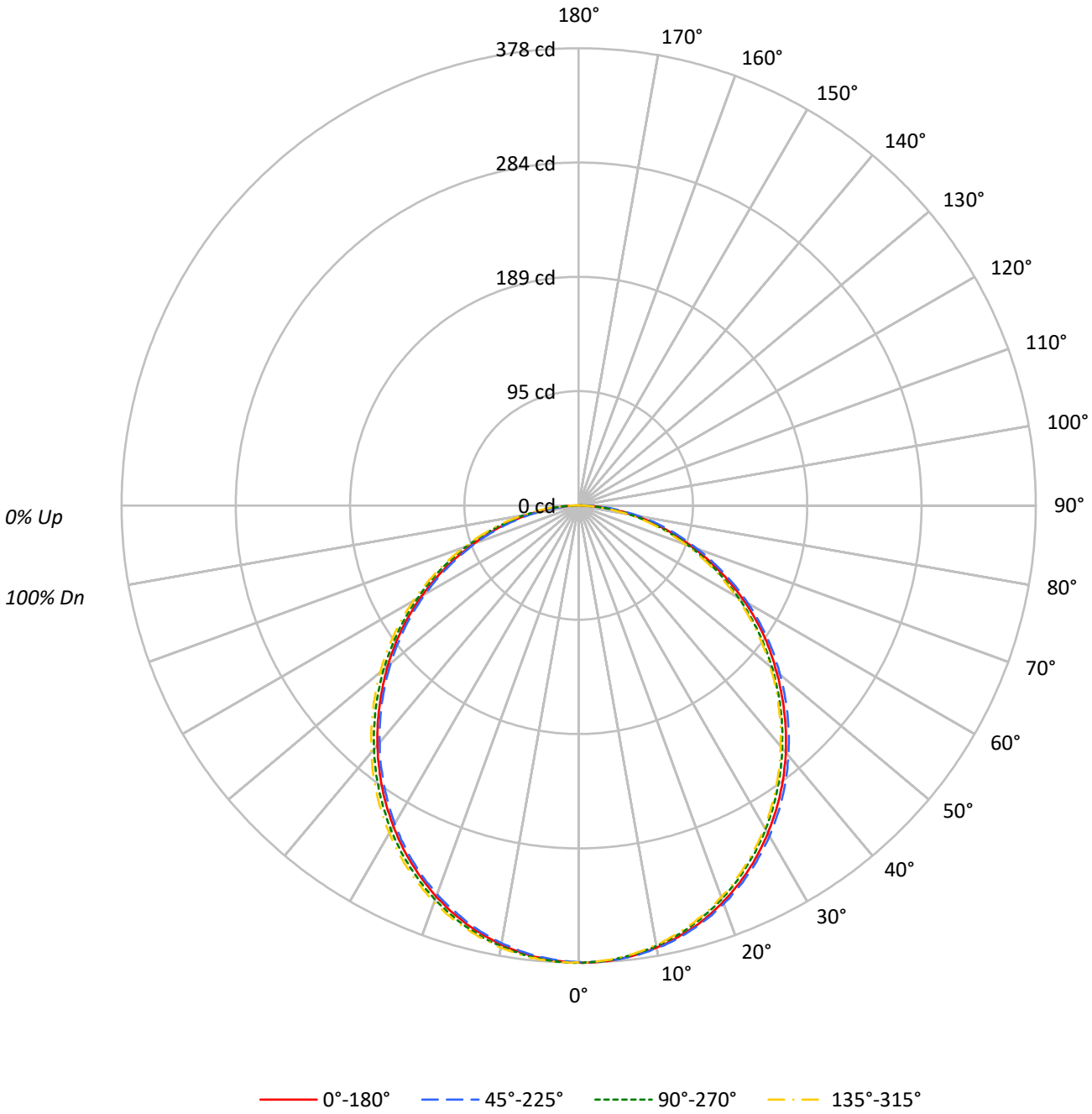
Lumens per Lamp:	N/A
Luminaire Lumens:	1035.0 lumens
Efficiency:	N/A
Efficacy:	100.5 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.14' x L: 0.14' x H: 0')
CIE Type:	Direct
Input Watts (W):	10.3
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (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	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°	209972	209972	209972	209972
5°	210105	209658	209268	209770
10°	209430	208696	208076	208922
15°	208173	206965	206159	207425
20°	206414	204817	203575	205231
25°	203838	201753	200342	202366
30°	200805	198302	196634	199008
35°	197098	194384	192416	195198
40°	193349	190012	187836	190883
45°	188872	185414	182899	186514
50°	184686	180622	178028	181746
55°	180906	175383	172863	176739
60°	175625	169623	166510	171290
65°	169382	163859	158861	165700
70°	162335	156648	149661	159248
75°	155468	148167	140437	152033
80°	148187	136985	128023	142426
85°	139652	115420	104580	127536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 89.5°
Luminance: 305703 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	3.4
10°-20°	101.5	9.8
20°-30°	151.8	14.7
30°-40°	179.7	17.4
40°-50°	182.8	17.7
50°-60°	163.0	15.7
60°-70°	124.1	12.0
70°-80°	73.8	7.1
80°-90°	21.7	2.1
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°	289.0	27.9
0°-40°	468.7	45.3
0°-60°	814.5	78.7
0°-90°	1034.0	99.9
90°-120°	0.4	0.0
90°-150°	0.8	0.1
90°-180°	1.0	0.1
0°-180°	1035.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	378	378	378	378	378	
5°	377	376	375	376	377	36
15°	362	360	358	360	362	102
25°	332	329	327	330	332	153
35°	290	286	284	288	290	182
45°	240	236	233	237	240	185
55°	187	181	178	182	187	167
65°	129	125	121	126	129	128
75°	72	69	65	71	72	77
85°	22	18	16	20	22	23
90°	2	0	0	1	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°	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8
0.5°	*378.2*	*377.8*	*377.3*	*377.7*	*378.2*	*377.9*	*378.0*	*378.1*	*377.9*	*377.5*	*377.2*
1°	377.9	377.8	377.8	377.7	377.8	377.8	377.9	378.0	377.8	377.2	377.3
1.5°	378.0	377.7	377.8	377.8	377.6	377.8	377.7	377.7	377.4	377.1	376.9
2°	377.9	377.6	377.5	377.6	377.6	377.5	377.6	377.6	377.3	376.8	377.1
2.5°	377.8	377.6	377.5	377.5	377.5	377.5	377.1	377.4	377.0	376.4	376.3
3°	377.4	377.3	377.3	377.4	377.3	377.0	376.9	376.9	376.8	376.3	376.2
3.5°	377.5	377.6	377.1	377.3	376.8	376.7	376.7	376.5	376.6	375.6	375.8
4°	377.2	377.2	377.4	376.8	376.9	376.3	376.4	376.2	376.1	375.1	375.3
4.5°	376.8	377.0	376.8	376.8	376.3	376.3	375.9	375.9	375.7	374.8	374.8
5°	376.6	376.9	376.7	376.3	375.8	375.4	375.4	375.2	375.1	374.3	374.6
5.5°	376.1	376.6	376.3	376.0	375.4	375.2	374.9	375.0	374.9	373.7	373.7
6°	375.8	376.1	376.0	375.9	374.8	374.7	374.5	374.2	374.4	373.1	373.5
6.5°	375.5	375.8	375.5	375.3	374.5	374.1	373.9	373.6	373.6	372.3	372.7
7°	374.9	375.4	375.2	374.7	373.6	373.6	373.5	373.2	373.0	371.7	372.1
7.5°	374.2	374.8	374.8	374.4	373.5	373.1	372.6	372.4	372.5	371.1	371.5
8°	373.8	374.5	374.2	373.8	372.6	372.3	372.0	371.8	371.7	370.2	370.5
8.5°	373.3	374.0	373.5	373.2	372.1	371.8	371.3	371.2	371.1	369.5	369.9
9°	372.5	373.3	373.2	372.7	371.2	370.8	370.5	370.3	370.3	368.7	369.0
9.5°	371.9	372.9	372.2	372.0	370.7	370.2	369.7	369.5	369.5	367.7	368.3
10°	371.1	372.1	371.8	371.0	369.8	369.3	368.9	368.4	368.7	367.0	367.5
10.5°	370.5	371.8	371.0	370.6	368.9	368.4	368.2	367.9	367.9	365.9	366.5
11°	369.8	370.5	370.4	369.5	368.1	367.6	367.1	366.9	366.7	364.9	365.6
11.5°	368.9	370.0	369.5	369.0	367.3	366.8	366.3	365.9	365.8	363.7	364.3
12°	367.9	369.3	368.8	368.1	366.2	365.5	365.1	364.9	364.8	362.9	363.5
12.5°	367.0	368.3	367.9	367.3	365.5	364.8	364.3	363.8	363.8	361.8	362.3
13°	366.2	367.4	366.7	366.1	364.3	363.5	363.2	362.8	362.6	360.7	361.3
13.5°	364.9	366.5	366.0	365.4	363.4	362.8	362.2	361.7	361.7	359.3	360.0
14°	364.1	365.6	365.2	364.3	362.3	361.5	360.9	360.5	360.6	358.4	359.0
14.5°	363.0	364.8	364.0	363.2	361.2	360.2	359.9	359.6	359.4	357.0	357.7
15°	361.8	363.5	363.0	362.2	359.7	359.2	358.6	358.2	358.3	355.9	356.7
15.5°	361.1	362.7	361.9	361.0	358.7	357.8	357.5	357.0	356.9	354.5	355.1
16°	359.8	361.6	360.8	359.8	357.6	356.8	356.0	355.8	355.5	353.1	353.6
16.5°	358.5	360.4	359.6	358.8	356.2	355.3	354.9	354.3	354.4	351.8	352.5
17°	357.2	359.2	358.5	357.4	354.7	354.0	353.6	352.9	353.0	350.2	350.8
17.5°	356.0	357.9	357.3	356.2	353.5	352.7	352.1	351.5	351.7	348.9	349.8
18°	354.7	356.7	356.2	354.9	352.0	351.4	350.9	350.1	350.2	347.6	348.2
18.5°	353.3	355.6	354.5	353.6	350.7	349.8	349.1	348.7	348.6	346.0	346.8
19°	351.8	354.0	353.7	352.0	349.3	348.2	347.7	347.4	347.1	344.3	345.2
19.5°	350.4	352.9	351.9	350.9	347.7	346.6	346.0	345.7	345.8	342.7	343.8
20°	349.0	351.2	350.7	349.3	346.3	345.2	344.7	344.2	344.2	341.1	342.2
20.5°	347.4	349.7	348.9	347.8	344.5	343.8	342.9	342.6	342.5	339.5	340.4
21°	345.9	348.3	347.9	346.4	343.1	342.0	341.6	341.1	340.9	337.7	338.7
21.5°	344.3	346.7	346.0	345.0	341.3	340.4	339.7	339.4	339.2	336.2	337.0
22°	342.7	345.4	344.7	343.0	339.7	338.6	338.3	337.5	337.4	334.5	335.6

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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°	340.9	343.8	342.9	341.8	338.1	337.1	336.3	336.0	335.8	332.4	333.8
23°	339.5	342.0	341.2	339.9	336.4	335.3	334.8	334.0	333.9	330.9	332.0
23.5°	337.6	340.4	339.9	338.3	334.6	333.7	332.9	332.3	332.4	329.2	330.0
24°	335.9	338.9	338.0	336.7	332.7	331.7	331.2	330.5	330.3	327.1	328.4
24.5°	334.3	337.1	336.2	335.1	330.9	330.0	329.2	328.5	328.5	325.3	326.3
25°	332.4	335.4	334.8	333.0	329.0	328.0	327.4	326.8	326.7	323.3	324.6
25.5°	330.7	333.5	333.1	331.4	327.2	326.3	325.5	324.9	324.6	321.4	322.6
26°	328.9	331.7	330.9	329.4	325.1	324.3	323.7	322.9	322.9	319.6	320.7
26.5°	326.8	330.3	329.4	327.8	323.4	322.2	321.5	321.0	321.0	317.3	318.6
27°	325.0	327.9	327.1	325.7	321.6	320.3	319.8	319.0	319.0	315.5	316.5
27.5°	322.9	326.2	325.5	323.9	319.4	318.4	317.7	317.2	316.8	313.5	314.5
28°	321.1	324.4	323.6	321.9	317.3	316.3	315.8	315.1	314.8	311.1	312.7
28.5°	318.9	322.5	321.6	320.0	315.4	314.2	313.7	312.9	312.8	309.2	310.3
29°	317.0	320.4	319.5	317.9	313.4	312.1	311.6	310.9	310.5	307.2	308.3
29.5°	314.9	318.5	317.7	316.1	311.3	310.2	309.4	308.6	308.5	304.9	306.3
30°	312.9	316.5	315.6	313.8	309.0	307.8	307.4	306.6	306.4	302.7	304.2
30.5°	310.7	314.3	313.5	311.8	307.0	305.8	305.1	304.3	304.1	300.4	301.8
31°	308.6	312.4	311.2	309.6	304.8	303.6	303.0	302.2	301.9	298.4	299.6
31.5°	306.4	310.3	309.4	307.7	302.6	301.4	300.7	300.0	299.5	295.9	297.2
32°	304.3	308.0	307.1	305.2	300.3	299.3	298.5	297.8	297.6	293.7	295.2
32.5°	302.2	306.0	304.9	303.4	298.1	296.9	296.2	295.5	295.3	291.5	292.8
33°	300.0	303.8	302.8	301.0	295.7	294.9	293.9	293.2	292.9	289.2	290.5
33.5°	297.7	301.6	300.7	298.7	293.4	292.3	291.7	291.0	290.7	286.8	287.9
34°	295.3	299.5	298.3	296.4	291.2	290.2	289.3	288.8	288.4	284.5	285.9
34.5°	293.3	297.1	296.1	294.3	289.0	287.8	287.0	286.3	285.9	282.0	283.4
35°	290.5	294.8	293.9	291.8	286.5	285.1	284.6	283.9	283.6	279.7	281.3
35.5°	288.4	292.6	291.6	289.5	284.1	283.0	282.0	281.4	281.2	277.3	278.6
36°	286.2	290.2	289.3	287.3	281.8	280.7	279.8	279.1	278.8	274.8	276.1
36.5°	283.7	288.0	286.9	284.9	279.4	278.2	277.3	276.7	276.5	272.5	273.6
37°	281.3	285.5	284.4	282.6	276.8	275.7	275.0	274.3	273.6	269.9	271.4
37.5°	278.8	283.2	282.0	279.8	274.7	273.4	272.5	271.6	271.4	267.5	268.9
38°	276.2	280.8	279.7	277.7	272.0	270.8	269.9	269.3	268.8	265.0	266.3
38.5°	274.0	278.3	277.3	275.2	269.5	268.4	267.5	266.8	266.6	262.4	263.8
39°	271.5	275.9	274.6	272.8	267.0	266.0	264.8	264.4	263.9	259.9	261.2
39.5°	269.0	273.6	272.4	270.2	264.5	263.4	262.4	261.7	261.4	257.2	258.5
40°	266.5	271.1	269.8	267.9	261.9	260.7	259.9	259.2	258.9	254.9	256.0
40.5°	263.9	268.6	267.4	265.0	259.6	258.3	257.2	256.7	256.2	252.2	253.6
41°	261.2	265.8	264.6	262.9	256.6	255.7	254.7	254.1	253.6	249.6	250.8
41.5°	258.7	263.4	262.3	260.3	254.3	253.1	252.2	251.4	251.2	247.0	248.4
42°	256.1	260.7	259.6	257.6	251.7	250.6	249.6	248.9	248.5	244.5	245.8
42.5°	253.6	258.4	257.2	254.9	249.0	248.0	247.0	246.3	245.9	241.7	243.2
43°	250.9	255.7	254.6	252.6	246.3	245.3	244.3	243.9	243.3	239.2	240.4
43.5°	248.3	253.3	251.9	249.8	244.0	242.8	241.8	241.1	240.6	236.5	237.9
44°	245.7	250.7	249.4	247.3	241.2	240.1	239.1	238.6	237.9	233.9	235.2
44.5°	243.0	247.9	246.7	244.5	238.6	237.5	236.6	235.9	235.3	231.2	232.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	240.3	245.3	244.1	242.0	235.9	234.8	233.7	233.3	232.7	228.5	229.9
45.5°	237.7	242.8	241.4	239.5	233.3	232.2	231.3	230.7	230.0	225.8	227.2
46°	235.0	240.0	238.9	236.9	230.5	229.5	228.4	227.9	227.3	223.1	224.5
46.5°	232.3	237.4	236.1	234.1	228.0	226.8	225.8	225.3	224.7	220.5	221.7
47°	229.6	234.8	233.4	231.6	225.1	224.1	223.0	222.5	221.8	217.8	219.1
47.5°	227.0	232.1	230.8	228.7	222.3	221.4	220.3	219.8	219.3	215.2	216.3
48°	224.1	229.4	228.2	226.0	219.8	218.8	217.6	217.0	216.6	212.3	213.7
48.5°	221.6	226.8	225.5	223.3	217.0	216.2	215.1	214.4	213.8	209.6	210.9
49°	219.0	224.2	222.9	220.8	214.4	213.4	212.2	211.7	211.1	207.0	208.2
49.5°	216.1	221.4	220.0	217.8	211.7	210.8	209.4	208.9	208.6	204.0	205.4
50°	213.6	218.7	217.4	215.2	208.9	208.0	206.7	206.1	205.9	201.5	202.7
50.5°	210.7	216.0	214.7	212.5	206.1	205.4	203.9	203.4	203.2	198.5	200.2
51°	208.2	213.3	212.1	209.9	203.2	202.5	201.2	200.6	200.5	195.8	197.3
51.5°	205.5	210.7	209.1	207.2	200.6	199.9	198.3	197.7	197.9	193.1	194.5
52°	202.8	207.6	206.7	204.4	197.8	197.0	195.7	195.0	195.0	190.4	191.7
52.5°	200.1	205.2	203.9	201.7	195.1	194.4	192.9	192.2	192.3	187.5	189.0
53°	197.5	202.2	201.1	198.9	192.1	191.4	190.0	189.3	189.6	184.6	186.0
53.5°	194.7	199.5	198.2	196.3	189.3	188.7	187.3	186.5	186.8	181.7	183.5
54°	192.2	196.7	195.5	193.5	186.5	185.9	184.5	183.7	183.9	178.9	180.5
54.5°	189.6	193.8	192.7	190.9	183.7	183.1	181.6	180.9	181.1	176.1	177.8
55°	186.7	191.1	189.8	188.1	181.0	180.4	178.9	178.2	178.4	173.3	174.9
55.5°	183.9	188.2	187.1	185.3	178.2	177.6	176.1	175.2	175.5	170.4	172.2
56°	181.0	185.3	184.2	182.6	175.2	174.7	173.2	172.6	172.6	167.6	169.3
56.5°	178.1	182.6	181.4	179.8	172.5	171.7	170.3	169.5	169.8	164.8	166.4
57°	175.2	179.7	178.6	177.0	169.6	168.9	167.6	166.8	166.9	162.1	163.7
57.5°	172.5	177.0	175.7	174.2	166.7	166.1	164.8	164.1	164.2	159.2	160.9
58°	169.7	174.0	172.9	171.4	164.1	163.2	161.8	161.2	161.1	156.4	158.1
58.5°	166.7	171.2	170.0	168.3	161.1	160.3	159.0	158.3	158.4	153.6	155.2
59°	163.9	168.4	167.2	165.6	158.4	157.5	156.2	155.5	155.5	150.7	152.4
59.5°	160.9	165.5	164.4	162.8	155.5	154.6	153.4	152.6	152.6	148.0	149.4
60°	158.0	162.6	161.5	159.7	152.6	151.7	150.5	149.8	149.8	145.2	146.6
60.5°	155.1	160.0	158.6	157.0	149.9	148.7	147.7	146.9	146.8	142.2	143.7
61°	152.2	157.0	155.8	154.1	146.9	145.9	144.8	144.0	143.8	139.4	140.9
61.5°	149.3	154.2	152.8	151.1	144.2	143.0	141.8	141.2	141.1	136.6	138.0
62°	146.4	151.4	150.0	148.3	141.3	140.1	139.1	138.4	138.1	133.6	135.1
62.5°	143.4	148.7	147.1	145.4	138.6	137.1	136.2	135.5	135.3	130.9	132.2
63°	140.6	145.7	144.3	142.4	135.7	134.3	133.2	132.7	132.2	128.0	129.4
63.5°	137.6	142.9	141.4	139.6	133.0	131.3	130.4	129.7	129.3	125.1	126.5
64°	134.7	140.0	138.4	136.7	130.1	128.5	127.4	126.9	126.5	122.3	123.6
64.5°	131.8	137.1	135.6	133.8	127.4	125.7	124.6	124.1	123.6	119.5	120.8
65°	128.8	134.4	132.7	130.8	124.6	122.8	121.8	121.4	120.8	116.6	117.9
65.5°	125.9	131.4	129.8	128.0	121.8	119.9	118.9	118.4	117.9	113.8	115.0
66°	123.0	128.5	126.8	125.2	119.0	117.1	116.1	115.6	115.0	110.9	112.2
66.5°	120.1	125.7	124.0	122.2	116.2	114.1	113.2	112.7	112.2	108.3	109.4
67°	117.3	122.7	121.1	119.3	113.3	111.4	110.5	110.0	109.3	105.4	106.5

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

Scaled Data Report

TEST NUMBER: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	114.3	119.9	118.3	116.5	110.5	108.5	107.7	107.3	106.4	102.7	103.8
68°	111.4	117.1	115.3	113.6	107.6	105.7	104.8	104.5	103.6	99.9	101.0
68.5°	108.6	114.2	112.6	110.8	104.8	102.9	102.1	101.7	100.7	97.2	98.2
69°	105.7	111.4	109.6	107.9	102.0	100.1	99.3	98.9	97.9	94.4	95.4
69.5°	102.8	108.6	106.9	105.0	99.2	97.3	96.5	96.1	95.0	91.7	92.7
70°	99.9	105.8	103.9	102.2	96.4	94.5	93.8	93.4	92.1	88.9	89.9
70.5°	97.1	103.0	101.3	99.3	93.6	91.8	91.0	90.6	89.6	86.2	87.2
71°	94.3	100.2	98.4	96.6	90.9	88.9	88.2	87.9	86.8	83.3	84.4
71.5°	91.5	97.4	95.7	93.7	88.1	86.1	85.5	85.2	84.0	80.7	81.8
72°	88.8	94.6	92.9	91.0	85.4	83.5	82.7	82.5	81.3	78.0	79.1
72.5°	85.9	91.8	90.2	88.2	82.6	80.8	80.0	79.8	78.6	75.3	76.4
73°	83.2	89.1	87.5	85.4	79.9	78.0	77.3	77.0	75.9	72.6	73.7
73.5°	80.5	86.3	84.8	82.7	77.2	75.4	74.7	74.4	73.3	69.9	71.0
74°	77.8	83.6	82.1	79.9	74.5	72.8	71.9	71.6	70.6	67.2	68.4
74.5°	75.2	80.9	79.4	77.2	71.8	70.1	69.3	69.0	68.0	64.6	65.8
75°	72.4	78.3	76.7	74.6	69.0	67.5	66.6	66.3	65.4	61.9	63.1
75.5°	69.7	75.4	74.2	71.9	66.4	64.8	63.9	63.6	62.7	59.2	60.5
76°	67.2	72.7	71.4	69.2	63.7	62.3	61.3	60.9	60.2	56.6	57.8
76.5°	64.5	70.0	68.9	66.5	61.1	59.7	58.6	58.2	57.6	54.0	55.2
77°	61.9	67.3	66.1	63.9	58.4	57.1	55.9	55.6	55.1	51.4	52.7
77.5°	59.3	64.6	63.5	61.2	55.8	54.5	53.4	53.0	52.5	48.8	50.0
78°	56.7	62.0	60.9	58.7	53.1	52.0	50.8	50.4	50.0	46.3	47.5
78.5°	54.1	59.4	58.3	56.0	50.5	49.4	48.2	47.8	47.4	43.7	44.9
79°	51.5	56.7	55.6	53.5	47.9	46.8	45.6	45.2	45.0	41.2	42.4
79.5°	49.0	54.0	52.9	50.9	45.3	44.2	43.1	42.7	42.5	38.6	39.9
80°	46.3	51.5	50.4	48.4	42.8	41.7	40.5	40.1	40.0	36.1	37.4
80.5°	43.9	48.8	47.8	45.8	40.2	39.2	38.0	37.7	37.6	33.7	34.9
81°	41.5	46.2	45.1	43.4	37.6	36.7	35.5	35.1	35.2	31.2	32.5
81.5°	39.0	43.7	42.6	40.9	35.2	34.2	33.1	32.6	32.8	28.7	30.0
82°	36.5	41.2	40.1	38.4	32.6	31.7	30.5	30.1	30.3	26.3	27.6
82.5°	34.0	38.6	37.6	35.9	30.1	29.2	28.2	27.7	28.0	24.0	25.2
83°	31.6	36.1	35.1	33.4	27.7	26.7	25.7	25.3	25.6	21.6	22.8
83.5°	29.1	33.5	32.5	31.0	25.3	24.3	23.3	22.9	23.3	19.3	20.5
84°	26.7	31.0	30.0	28.5	22.9	21.9	20.9	20.6	21.0	17.0	18.2
84.5°	24.3	28.4	27.6	26.0	20.5	19.5	18.6	18.2	18.7	14.7	15.8
85°	21.9	26.0	25.1	23.6	18.1	17.1	16.2	15.9	16.4	12.5	13.6
85.5°	19.5	23.6	22.6	21.2	15.7	14.8	14.0	13.7	14.2	10.3	11.3
86°	17.2	21.1	20.2	18.7	13.4	12.5	11.7	11.5	12.0	8.2	9.1
86.5°	14.9	18.7	17.8	16.4	11.2	10.2	9.4	9.2	9.7	6.0	6.9
87°	12.5	16.4	15.4	14.0	8.9	8.0	7.1	7.0	7.5	3.8	4.6
87.5°	10.3	14.0	13.0	11.7	6.6	5.7	4.9	4.8	5.3	2.0	2.6
88°	8.0	11.7	10.7	9.4	4.3	3.4	2.8	2.9	3.3	0.9	1.2
88.5°	5.7	9.4	8.3	7.0	2.1	1.4	1.2	1.3	1.6	0.2	0.5
89°	3.5	7.1	6.0	4.8	0.5	0.4	0.4	0.5	0.7	0.1	0.1
89.5°	2.7	4.8	3.7	3.6	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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.8	3.6	2.8	2.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
90.5°	0.9	2.4	1.9	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91°	0.1	1.2	0.9	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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

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	0.2	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	0.1
124°	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
124.5°	0.2	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	0.1	0.1	0.1	0.1	0.2	0.2
126°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
126.5°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
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	0.2	0.2	0.2	0.2	0.3	0.3
145.5°	0.2	0.2	0.2	0.2	0.2	0.2	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	0.2	0.2	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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

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	0.3	0.3	0.3	0.3
164.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.2	0.2	0.2	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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	377.8	377.8	377.8	377.8	*377.8*	377.8
0.5°	*377.7*	*378.2*	*378.0*	*377.8*	*378.3*	*378.2*
1°	377.4	378.0	378.0	378.1	*378.1*	377.9
1.5°	377.3	378.0	378.0	377.9	*378.2*	378.0
2°	376.9	377.7	377.7	378.0	*378.1*	377.9
2.5°	376.9	377.6	377.7	377.7	*378.0*	377.8
3°	376.2	377.5	377.2	377.7	*377.9*	377.4
3.5°	376.3	377.1	377.3	377.4	*377.7*	377.5
4°	375.6	376.8	376.7	377.3	*377.3*	377.2
4.5°	375.3	376.5	376.9	376.8	*377.1*	376.8
5°	374.9	376.0	376.4	376.8	*376.6*	376.6
5.5°	374.3	375.5	376.0	375.9	*376.4*	376.1
6°	373.6	375.3	375.7	376.2	*375.9*	375.8
6.5°	373.1	374.7	375.2	375.4	*375.8*	375.5
7°	372.4	374.3	374.5	375.1	*374.7*	374.9
7.5°	372.0	373.7	373.9	374.5	*374.7*	374.2
8°	371.1	372.8	373.6	373.7	*373.9*	373.8
8.5°	370.4	372.4	372.7	373.2	*373.6*	373.3
9°	369.7	371.4	372.0	372.6	*372.7*	372.5
9.5°	368.6	370.7	371.4	371.9	*372.4*	371.9
10°	368.1	370.2	370.7	371.3	*371.4*	371.1
10.5°	367.1	369.2	369.8	370.5	*370.9*	370.5
11°	366.2	368.5	369.1	369.6	*369.9*	369.8
11.5°	365.0	367.7	368.1	368.6	*368.9*	368.9
12°	364.1	366.6	367.2	368.0	*368.1*	367.9
12.5°	363.1	365.9	366.3	366.8	*367.3*	367.0
13°	362.0	364.6	365.4	366.2	*366.3*	366.2
13.5°	361.0	363.4	364.4	364.9	*365.5*	364.9
14°	359.7	362.5	363.3	364.1	*364.4*	364.1
14.5°	358.8	361.4	362.2	362.9	*363.5*	363.0
15°	357.4	360.5	361.0	362.1	*362.2*	361.8
15.5°	356.1	359.0	359.9	360.7	*361.1*	361.1
16°	354.8	357.9	358.7	359.7	*359.8*	359.8
16.5°	353.6	356.8	357.5	358.3	*358.8*	358.5
17°	352.2	355.2	356.4	357.3	*357.3*	357.2
17.5°	350.8	354.0	354.9	355.7	*356.4*	356.0
18°	348.9	352.8	353.5	354.8	*354.8*	354.7
18.5°	348.1	351.0	352.2	353.0	*353.6*	353.3
19°	346.3	349.8	350.9	352.1	*351.9*	351.8
19.5°	344.7	348.4	349.2	350.4	*350.7*	350.4
20°	343.1	347.0	347.9	349.1	*349.2*	349.0
20.5°	341.4	345.2	346.4	347.4	*347.9*	347.4
21°	339.8	343.6	344.6	346.1	*346.1*	345.9
21.5°	338.3	342.1	343.2	344.2	*344.6*	344.3
22°	336.4	340.4	341.6	342.8	*342.9*	342.7

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Scaled Data Report

TEST NUMBER: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	335.0	338.5	340.0	341.1	*341.7*	340.9
23°	332.8	337.1	338.4	339.6	*339.7*	339.5
23.5°	331.3	335.2	336.5	337.7	*338.2*	337.6
24°	329.2	333.5	334.7	336.2	*336.3*	335.9
24.5°	327.6	331.6	333.2	334.3	*334.7*	334.3
25°	325.6	330.0	331.1	332.6	*332.8*	332.4
25.5°	323.8	327.8	329.3	330.7	*331.1*	330.7
26°	321.6	326.2	327.5	329.0	*329.0*	328.9
26.5°	319.8	324.2	325.6	326.9	*327.6*	326.8
27°	317.8	322.4	323.7	325.2	*325.2*	325.0
27.5°	315.7	320.3	321.6	323.1	*323.5*	322.9
28°	313.6	318.2	319.6	321.2	*321.6*	321.1
28.5°	311.7	316.1	317.8	319.2	*319.4*	318.9
29°	309.5	314.3	315.6	317.3	*317.6*	317.0
29.5°	307.5	311.9	313.7	315.1	*315.5*	314.9
30°	305.3	310.1	311.6	313.1	*313.4*	312.9
30.5°	303.1	307.7	309.7	311.0	*311.3*	310.7
31°	300.8	305.8	307.3	308.9	*309.2*	308.6
31.5°	298.5	303.6	305.3	306.8	*307.1*	306.4
32°	296.6	301.1	303.3	304.5	*304.8*	304.3
32.5°	294.1	299.0	300.8	302.4	*302.7*	302.2
33°	291.9	296.9	298.6	300.1	*300.3*	300.0
33.5°	289.5	294.5	296.3	297.9	*298.3*	297.7
34°	287.1	292.3	294.1	295.6	*296.0*	295.3
34.5°	284.9	290.0	291.8	293.3	*293.5*	293.3
35°	282.4	287.7	289.6	291.0	*291.5*	290.5
35.5°	280.1	285.2	287.1	288.6	*289.0*	288.4
36°	277.7	282.9	284.8	286.3	*286.7*	286.2
36.5°	275.2	280.4	282.3	284.0	*284.3*	283.7
37°	272.8	278.3	279.9	281.6	*281.9*	281.3
37.5°	270.4	275.6	277.6	279.1	*279.6*	278.8
38°	268.0	273.2	275.1	276.8	*277.0*	276.2
38.5°	265.2	270.7	272.6	274.2	*274.7*	274.0
39°	262.8	268.4	270.1	271.7	*272.0*	271.5
39.5°	260.3	265.7	267.8	269.3	*269.7*	269.0
40°	257.7	263.1	265.1	266.7	*267.2*	266.5
40.5°	255.2	260.6	262.4	264.0	*264.7*	263.9
41°	252.6	258.1	260.1	261.8	*262.1*	261.2
41.5°	250.0	255.5	257.5	259.0	*259.7*	258.7
42°	247.3	253.1	254.9	256.5	*257.0*	256.1
42.5°	244.8	250.3	252.4	253.9	*254.4*	253.6
43°	242.1	247.8	249.6	251.3	*251.7*	250.9
43.5°	239.5	245.1	247.1	248.7	*249.3*	248.3
44°	236.8	242.6	244.5	246.1	*246.5*	245.7
44.5°	234.1	239.9	241.8	243.5	*243.8*	243.0

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

Scaled Data Report

TEST NUMBER: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	231.5	237.3	239.3	240.7	*241.3*	240.3
45.5°	228.8	234.5	236.7	238.1	*238.8*	237.7
46°	226.0	232.0	233.9	235.7	*236.0*	235.0
46.5°	223.5	229.2	231.3	232.8	*233.7*	232.3
47°	220.7	226.6	228.5	230.1	*230.7*	229.6
47.5°	218.0	223.7	225.8	227.5	*228.0*	227.0
48°	215.4	221.2	223.1	224.8	*225.5*	224.1
48.5°	212.7	218.3	220.4	222.1	*222.7*	221.6
49°	209.9	215.8	217.7	219.4	*219.9*	219.0
49.5°	207.2	213.0	215.0	216.8	*217.5*	216.1
50°	204.4	210.2	212.4	214.1	*214.6*	213.6
50.5°	201.8	207.4	209.5	211.4	*211.9*	210.7
51°	199.1	204.7	206.9	208.7	*209.2*	208.2
51.5°	196.1	201.9	204.0	205.8	*206.6*	205.5
52°	193.5	199.2	201.4	203.1	*203.6*	202.8
52.5°	190.9	196.4	198.8	200.5	*200.9*	200.1
53°	188.0	193.5	195.9	197.7	*198.1*	197.5
53.5°	185.1	190.7	193.3	194.9	*195.2*	194.7
54°	182.5	188.0	190.5	192.0	*192.2*	192.2
54.5°	179.6	185.2	187.7	189.3	*189.8*	189.6
55°	176.8	182.4	185.2	186.4	*186.7*	186.7
55.5°	174.0	179.5	182.2	183.7	*183.9*	183.9
56°	171.2	176.7	179.5	180.6	*181.0*	181.0
56.5°	168.4	173.8	176.8	178.0	*178.2*	178.1
57°	165.6	171.1	174.0	175.1	*175.3*	175.2
57.5°	162.8	168.2	171.1	172.3	*172.5*	172.5
58°	160.0	165.3	168.3	169.5	*169.6*	169.7
58.5°	157.1	162.6	165.5	166.7	*166.8*	166.7
59°	154.2	159.8	162.6	163.6	*163.9*	163.9
59.5°	151.4	156.9	159.8	160.8	*161.2*	160.9
60°	148.6	154.1	156.9	158.0	*158.3*	158.0
60.5°	145.6	151.1	154.0	155.2	*155.4*	155.1
61°	142.8	148.4	151.1	152.2	*152.6*	152.2
61.5°	139.9	145.6	148.2	149.4	*149.9*	149.3
62°	137.1	142.7	145.3	146.5	*147.1*	146.4
62.5°	134.1	140.0	142.4	143.5	*144.2*	143.4
63°	131.2	137.1	139.5	140.7	*141.4*	140.6
63.5°	128.3	134.3	136.6	137.8	*138.4*	137.6
64°	125.5	131.6	133.7	134.9	*135.7*	134.7
64.5°	122.5	128.8	130.8	131.9	*132.8*	131.8
65°	119.7	126.0	127.9	129.1	*129.9*	128.8
65.5°	116.8	123.3	125.0	126.2	*127.0*	125.9
66°	113.9	120.4	122.1	123.3	*124.1*	123.0
66.5°	111.1	117.6	119.2	120.4	*121.2*	120.1
67°	108.3	114.8	116.2	117.6	*118.3*	117.3

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

Scaled Data Report

TEST NUMBER: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	105.4	112.1	113.6	114.8	*115.6*	114.3
68°	102.7	109.2	110.5	111.9	*112.7*	111.4
68.5°	99.9	106.4	107.7	109.1	*109.9*	108.6
69°	97.1	103.6	104.8	106.1	*107.2*	105.7
69.5°	94.3	100.8	102.0	103.4	*104.3*	102.8
70°	91.5	98.0	99.2	100.6	*101.5*	99.9
70.5°	88.7	95.1	96.3	97.9	*98.6*	97.1
71°	85.9	92.4	93.5	95.1	*95.9*	94.3
71.5°	83.2	89.7	90.8	92.3	*93.2*	91.5
72°	80.5	86.9	88.0	89.5	*90.4*	88.8
72.5°	77.8	84.3	85.3	86.9	*87.6*	85.9
73°	75.1	81.5	82.5	84.1	*84.9*	83.2
73.5°	72.5	78.9	79.8	81.5	*82.2*	80.5
74°	69.9	76.1	77.1	78.7	*79.5*	77.8
74.5°	67.3	73.5	74.5	76.1	*76.8*	75.2
75°	64.7	70.8	71.8	73.5	*74.1*	72.4
75.5°	61.9	68.1	69.1	70.9	*71.4*	69.7
76°	59.4	65.4	66.5	68.2	*68.7*	67.2
76.5°	56.8	62.8	63.8	65.6	*65.9*	64.5
77°	54.3	60.1	61.3	62.9	*63.3*	61.9
77.5°	51.7	57.5	58.7	60.3	*60.7*	59.3
78°	49.3	54.9	56.1	57.7	*58.0*	56.7
78.5°	46.6	52.3	53.5	55.0	*55.4*	54.1
79°	44.1	49.8	51.0	52.4	*52.7*	51.5
79.5°	41.6	47.2	48.4	49.9	*50.1*	49.0
80°	39.2	44.5	45.8	47.2	*47.5*	46.3
80.5°	36.6	42.0	43.5	44.7	*45.0*	43.9
81°	34.1	39.5	41.0	42.8	*42.7*	41.5
81.5°	31.7	37.0	38.5	40.1	*40.1*	39.0
82°	29.3	34.5	36.0	37.4	*37.4*	36.5
82.5°	26.8	32.0	33.5	34.8	*34.8*	34.0
83°	24.4	29.6	31.0	32.1	*32.1*	31.6
83.5°	22.0	27.1	28.6	29.6	*29.7*	29.1
84°	19.7	24.7	26.2	27.2	*27.2*	26.7
84.5°	17.3	22.4	23.8	24.8	*24.7*	24.3
85°	15.1	20.0	21.5	22.3	*22.3*	21.9
85.5°	12.8	17.6	19.1	20.0	*19.9*	19.5
86°	10.5	15.3	16.7	17.5	*17.5*	17.2
86.5°	8.3	13.1	14.4	15.2	*15.1*	14.9
87°	6.0	10.8	12.1	12.8	*12.8*	12.5
87.5°	3.8	8.5	9.8	10.5	*10.5*	10.3
88°	1.8	6.3	7.5	8.2	*8.2*	8.0
88.5°	0.6	4.1	5.3	5.9	*6.0*	5.7
89°	0.1	3.1	4.3	3.7	*3.9*	3.5
89.5°	0.1	2.1	3.2	2.8	*2.9*	2.7

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

Scaled Data Report

TEST NUMBER: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.1	1.1	2.1	1.9	*2.0*	1.8
90.5°	0.1	0.1	1.1	1.0	*1.0*	0.9
91°	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
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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

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	0.2	0.1	0.1	0.1
122.5°	0.1	0.1	0.2	0.1	0.1	0.1
123°	0.2	0.2	0.2	0.2	0.1	0.1
123.5°	0.2	0.2	0.2	0.2	0.1	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
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.3	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	0.2	0.2	0.2	0.2
148.5°	0.3	0.2	0.2	0.2	0.2	0.2
149°	0.3	0.2	0.2	0.2	0.2	0.2
149.5°	0.3	0.2	0.2	0.2	0.2	0.2
150°	0.3	0.2	0.2	0.2	0.2	0.2
150.5°	0.3	0.2	0.2	0.2	0.2	0.2
151°	0.3	0.2	0.2	0.2	0.2	0.2
151.5°	0.3	0.2	0.2	0.2	0.2	0.2
152°	0.3	0.2	0.2	0.2	0.2	0.2
152.5°	0.3	0.2	0.2	0.2	0.2	0.2
153°	0.3	0.2	0.2	0.2	0.2	0.2
153.5°	0.3	0.2	0.2	0.2	0.2	0.2
154°	0.3	0.2	0.2	0.2	0.2	0.2
154.5°	0.3	0.2	0.2	0.2	0.2	0.2
155°	0.3	0.2	0.2	0.2	0.2	0.2
155.5°	0.3	0.2	0.2	0.2	0.2	0.2
156°	0.3	0.2	0.2	0.2	0.2	0.2
156.5°	0.3	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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

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	0.3	0.2	0.2
166.5°	0.3	0.2	0.3	0.3	0.2	0.2
167°	0.3	0.2	0.3	0.3	0.3	0.2
167.5°	0.3	0.2	0.3	0.3	0.3	0.2
168°	0.3	0.2	0.3	0.3	0.3	0.2
168.5°	0.3	0.2	0.3	0.3	0.3	0.2
169°	0.3	0.2	0.3	0.3	0.3	0.2
169.5°	0.3	0.2	0.3	0.3	0.3	0.2
170°	0.3	0.2	0.3	0.3	0.3	0.2
170.5°	0.3	0.2	0.3	0.3	0.3	0.2
171°	0.3	0.2	0.3	0.3	0.3	0.2
171.5°	0.3	0.2	0.3	0.3	0.3	0.2
172°	0.3	0.2	0.3	0.3	0.2	0.2
172.5°	0.3	0.2	0.3	0.3	0.2	0.2
173°	0.3	0.2	0.3	0.2	0.2	0.2
173.5°	0.3	0.3	0.2	0.2	0.2	0.2
174°	0.3	0.3	0.2	0.2	0.2	0.2
174.5°	0.3	0.2	0.2	0.2	0.2	0.2
175°	0.3	0.2	0.2	0.2	0.2	0.2
175.5°	0.3	0.2	0.2	0.2	0.2	0.2
176°	0.3	0.2	0.2	0.3	0.2	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
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Scaled Data Report

TEST NUMBER: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

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: P1596631
CATALOG NUMBER: HLB3SLSFS5-HI-4000K

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	30.29	31.92	30.65	32.24	32.55	30.09	31.73	30.46	32.04	32.36
	3H	32.15	33.63	32.53	33.95	34.32	31.91	33.39	32.29	33.72	34.08
	4H	32.88	34.27	33.28	34.62	35.00	32.62	34.01	33.02	34.36	34.74
	6H	33.46	34.75	33.87	35.12	35.51	33.16	34.45	33.57	34.82	35.21
	8H	33.67	34.90	34.09	35.29	35.69	33.34	34.57	33.76	34.96	35.36
	12H	33.77	34.96	34.20	35.34	35.77	33.42	34.60	33.85	34.98	35.41
4H	2H	30.93	32.33	31.33	32.68	33.06	30.74	32.14	31.14	32.49	32.86
	3H	33.04	34.21	33.45	34.61	35.01	32.80	33.97	33.21	34.37	34.77
	4H	33.93	34.99	34.36	35.40	35.84	33.64	34.70	34.08	35.12	35.56
	6H	34.66	35.59	35.12	36.03	36.49	34.33	35.26	34.78	35.70	36.16
	8H	34.93	35.80	35.39	36.24	36.71	34.56	35.43	35.02	35.88	36.34
	12H	35.11	35.89	35.59	36.37	36.84	34.70	35.49	35.19	35.96	36.43
8H	4H	34.29	35.15	34.75	35.60	36.07	34.00	34.87	34.46	35.31	35.78
	6H	35.18	35.90	35.67	36.39	36.87	34.83	35.55	35.32	36.04	36.52
	8H	35.54	36.19	36.05	36.70	37.19	35.15	35.80	35.66	36.31	36.79
	12H	35.83	36.40	36.34	36.90	37.46	35.38	35.96	35.89	36.45	37.01
12H	4H	34.33	35.11	34.81	35.59	36.06	34.05	34.83	34.53	35.30	35.78
	6H	35.26	35.91	35.77	36.42	36.90	34.91	35.56	35.42	36.06	36.55
	8H	35.70	36.27	36.20	36.76	37.33	35.29	35.87	35.80	36.36	36.92

END OF REPORT