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: P1596632

Luminaire Tested: HLB3SLSFS5-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:	P1596632
	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-5000K
Description:	HLB3 3" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	5000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

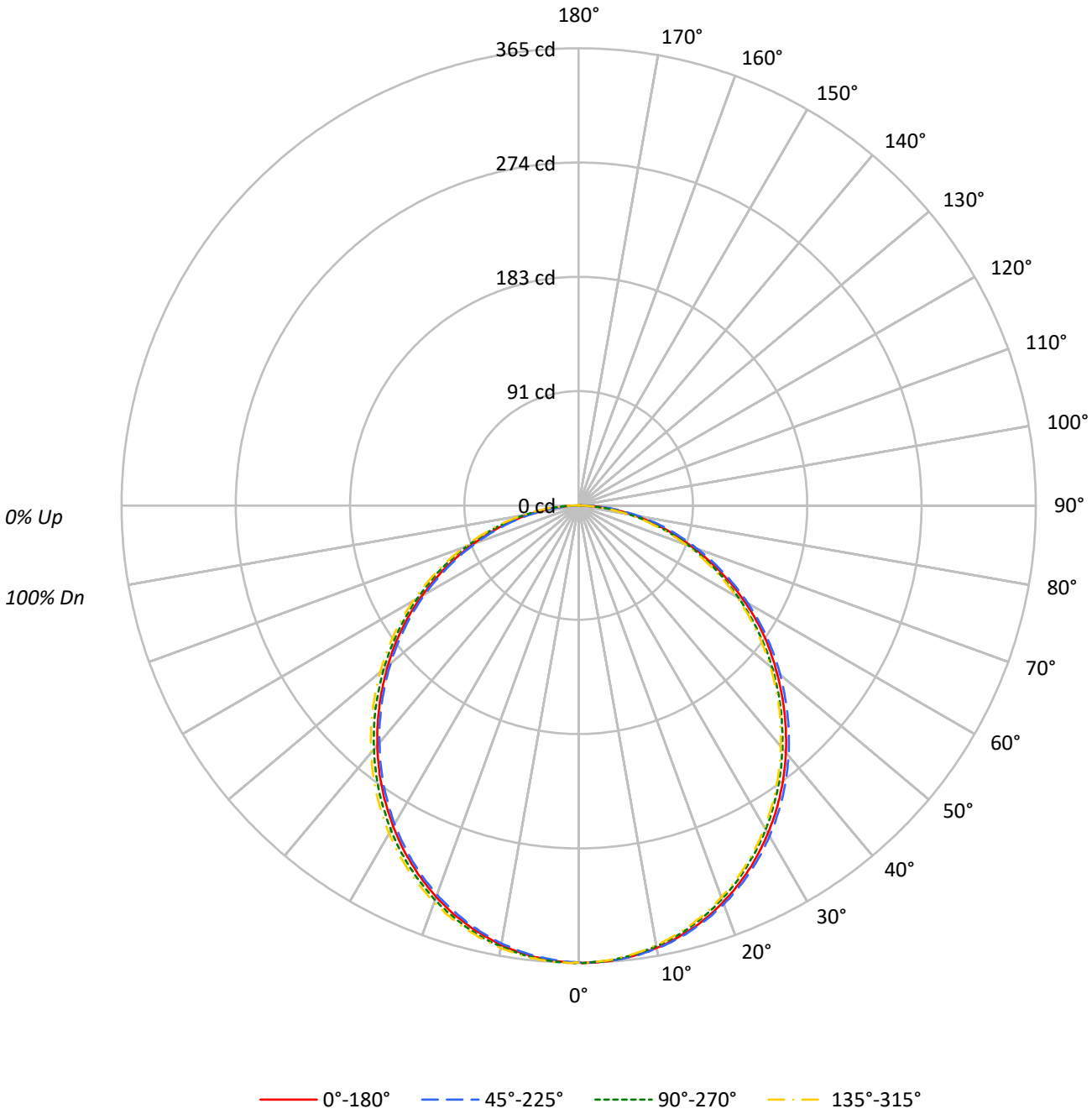
Lumens per Lamp:	N/A
Luminaire Lumens:	1000.0 lumens
Efficiency:	N/A
Efficacy:	99.0 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.14' x L: 0.14' x H: 0')
CIE Type:	Direct
Input Watts (W):	10.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (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°	202858	202858	202858	202858
5°	202964	202517	202183	202685
10°	202319	201642	201078	201868
15°	201153	200003	199140	200405
20°	199435	197838	196714	198311
25°	196908	194946	193536	195498
30°	194002	191628	190024	192270
35°	190448	187802	185903	188617
40°	186820	183555	181451	184426
45°	182427	179126	176690	180227
50°	178374	174483	171976	175607
55°	174801	169375	167050	170732
60°	169734	163843	160842	165510
65°	163727	158204	153470	160045
70°	156973	151448	144623	153886
75°	150315	143228	135713	146879
80°	143386	132184	123863	137625
85°	134551	111594	100754	123072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 89.5°
Luminance: 299334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	3.4
10°-20°	98.1	9.8
20°-30°	146.7	14.7
30°-40°	173.6	17.4
40°-50°	176.6	17.7
50°-60°	157.5	15.7
60°-70°	119.9	12.0
70°-80°	71.3	7.1
80°-90°	21.0	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°	279.2	27.9
0°-40°	452.9	45.3
0°-60°	786.9	78.7
0°-90°	999.0	99.9
90°-120°	0.4	0.0
90°-150°	0.8	0.1
90°-180°	1.0	0.1
0°-180°	1000.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	365	365	365	365	365	
5°	364	363	362	363	364	35
15°	350	348	346	348	350	99
25°	321	318	316	319	321	148
35°	281	277	274	278	281	176
45°	232	228	225	229	232	179
55°	180	175	172	176	180	161
65°	124	120	117	122	124	123
75°	70	67	63	68	70	74
85°	21	18	16	19	21	22
90°	2	0	0	1	2	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0
0.5°	*365.4*	*365.1*	*364.6*	*365.0*	*365.4*	*365.2*	*365.3*	*365.3*	*365.1*	*364.8*	*364.5*
1°	365.1	365.0	365.0	364.9	365.1	365.1	365.1	365.2	365.1	364.5	364.5
1.5°	365.2	364.9	365.0	365.0	364.9	365.1	364.9	364.9	364.7	364.3	364.1
2°	365.1	364.8	364.8	364.8	364.8	364.7	364.8	364.8	364.5	364.0	364.3
2.5°	365.0	364.9	364.7	364.8	364.7	364.7	364.3	364.7	364.3	363.6	363.6
3°	364.6	364.6	364.5	364.6	364.5	364.3	364.2	364.2	364.1	363.6	363.5
3.5°	364.7	364.8	364.3	364.5	364.1	364.0	364.0	363.8	363.8	362.9	363.0
4°	364.5	364.5	364.6	364.0	364.1	363.6	363.6	363.5	363.4	362.4	362.6
4.5°	364.1	364.3	364.1	364.1	363.6	363.5	363.2	363.2	363.0	362.1	362.1
5°	363.8	364.1	364.0	363.6	363.0	362.7	362.7	362.6	362.4	361.6	361.9
5.5°	363.4	363.9	363.6	363.3	362.7	362.5	362.3	362.3	362.2	361.1	361.1
6°	363.1	363.4	363.3	363.2	362.1	362.1	361.8	361.5	361.7	360.5	360.9
6.5°	362.8	363.1	362.8	362.6	361.8	361.5	361.2	361.0	361.0	359.7	360.1
7°	362.2	362.8	362.5	362.1	361.0	360.9	360.8	360.6	360.4	359.2	359.5
7.5°	361.6	362.1	362.2	361.8	360.9	360.5	360.0	359.8	359.9	358.6	358.9
8°	361.2	361.9	361.6	361.1	360.0	359.7	359.4	359.2	359.2	357.7	358.0
8.5°	360.7	361.4	360.8	360.6	359.5	359.2	358.7	358.6	358.5	357.0	357.4
9°	359.9	360.6	360.6	360.1	358.7	358.3	358.0	357.8	357.8	356.2	356.5
9.5°	359.3	360.3	359.6	359.4	358.1	357.7	357.2	357.1	357.0	355.3	355.8
10°	358.5	359.6	359.2	358.5	357.3	356.8	356.4	356.0	356.3	354.6	355.0
10.5°	358.0	359.2	358.5	358.1	356.5	355.9	355.8	355.5	355.5	353.6	354.1
11°	357.3	358.0	357.9	357.0	355.6	355.1	354.7	354.5	354.3	352.6	353.2
11.5°	356.4	357.5	357.0	356.5	354.9	354.4	353.9	353.5	353.4	351.4	352.0
12°	355.5	356.8	356.3	355.6	353.8	353.2	352.8	352.6	352.5	350.6	351.2
12.5°	354.6	355.8	355.4	354.9	353.1	352.5	352.0	351.5	351.5	349.5	350.0
13°	353.8	355.0	354.3	353.7	352.0	351.2	350.9	350.5	350.4	348.5	349.1
13.5°	352.6	354.1	353.6	353.0	351.1	350.5	349.9	349.4	349.5	347.1	347.8
14°	351.8	353.2	352.9	352.0	350.0	349.3	348.7	348.3	348.4	346.2	346.9
14.5°	350.8	352.5	351.7	350.9	349.0	348.0	347.7	347.5	347.3	344.9	345.6
15°	349.6	351.2	350.7	350.0	347.6	347.0	346.5	346.1	346.1	343.9	344.6
15.5°	348.9	350.5	349.6	348.8	346.6	345.7	345.4	345.0	344.9	342.5	343.1
16°	347.6	349.3	348.6	347.6	345.5	344.8	343.9	343.8	343.5	341.2	341.7
16.5°	346.4	348.3	347.4	346.6	344.2	343.3	342.9	342.3	342.5	339.9	340.6
17°	345.1	347.1	346.4	345.4	342.8	342.1	341.7	341.0	341.1	338.4	339.0
17.5°	344.0	345.8	345.2	344.1	341.6	340.8	340.2	339.6	339.8	337.1	338.0
18°	342.7	344.6	344.2	342.9	340.1	339.5	339.0	338.2	338.3	335.9	336.5
18.5°	341.4	343.5	342.5	341.7	338.9	337.9	337.3	336.9	336.8	334.3	335.1
19°	339.9	342.1	341.8	340.1	337.4	336.4	336.0	335.6	335.4	332.6	333.6
19.5°	338.6	341.0	340.0	339.1	336.0	334.9	334.3	334.0	334.1	331.1	332.2
20°	337.2	339.3	338.8	337.5	334.5	333.6	333.0	332.5	332.6	329.6	330.6
20.5°	335.6	337.9	337.1	336.0	332.9	332.1	331.3	331.0	330.9	328.1	328.9
21°	334.2	336.5	336.1	334.7	331.5	330.4	330.1	329.6	329.3	326.3	327.3
21.5°	332.7	335.0	334.3	333.3	329.8	328.9	328.2	327.9	327.7	324.8	325.6
22°	331.1	333.7	333.0	331.4	328.2	327.2	326.9	326.1	326.0	323.2	324.2

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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°	329.4	332.2	331.3	330.2	326.7	325.7	325.0	324.6	324.5	321.2	322.5
23°	328.0	330.5	329.7	328.4	325.0	323.9	323.5	322.7	322.6	319.7	320.8
23.5°	326.1	328.9	328.4	326.9	323.3	322.4	321.7	321.1	321.2	318.0	318.8
24°	324.5	327.4	326.6	325.3	321.4	320.5	320.0	319.3	319.1	316.0	317.3
24.5°	323.0	325.7	324.9	323.8	319.8	318.8	318.1	317.3	317.3	314.3	315.3
25°	321.1	324.0	323.4	321.8	317.9	316.9	316.3	315.8	315.6	312.4	313.6
25.5°	319.6	322.3	321.8	320.2	316.1	315.3	314.5	313.9	313.7	310.5	311.7
26°	317.8	320.5	319.8	318.2	314.1	313.4	312.7	312.0	312.0	308.8	309.9
26.5°	315.8	319.1	318.2	316.7	312.5	311.3	310.7	310.2	310.1	306.6	307.8
27°	314.0	316.8	316.1	314.6	310.7	309.5	309.0	308.2	308.2	304.8	305.8
27.5°	312.0	315.2	314.5	313.0	308.6	307.7	307.0	306.4	306.1	302.9	303.9
28°	310.2	313.5	312.6	311.0	306.6	305.6	305.1	304.4	304.1	300.6	302.1
28.5°	308.1	311.6	310.7	309.2	304.7	303.6	303.1	302.3	302.2	298.8	299.9
29°	306.2	309.6	308.7	307.1	302.8	301.6	301.1	300.4	300.0	296.8	297.8
29.5°	304.2	307.7	306.9	305.4	300.8	299.7	299.0	298.2	298.0	294.6	295.9
30°	302.3	305.8	304.9	303.2	298.6	297.4	297.0	296.2	296.1	292.4	293.9
30.5°	300.2	303.7	302.9	301.3	296.6	295.5	294.8	294.0	293.8	290.3	291.6
31°	298.1	301.9	300.7	299.1	294.5	293.4	292.8	292.0	291.7	288.3	289.4
31.5°	296.1	299.8	298.9	297.3	292.4	291.2	290.5	289.8	289.4	285.9	287.2
32°	294.0	297.6	296.7	294.9	290.2	289.1	288.4	287.7	287.5	283.8	285.3
32.5°	292.0	295.7	294.6	293.2	288.0	286.8	286.2	285.5	285.3	281.7	282.9
33°	289.8	293.5	292.6	290.8	285.7	284.9	284.0	283.3	282.9	279.4	280.7
33.5°	287.6	291.4	290.6	288.6	283.5	282.4	281.8	281.1	280.9	277.1	278.2
34°	285.3	289.4	288.2	286.4	281.4	280.3	279.5	279.0	278.7	274.9	276.2
34.5°	283.3	287.1	286.1	284.3	279.2	278.1	277.3	276.6	276.3	272.5	273.8
35°	280.7	284.8	283.9	281.9	276.8	275.5	275.0	274.3	274.0	270.3	271.8
35.5°	278.6	282.7	281.7	279.7	274.5	273.4	272.5	271.9	271.7	267.9	269.2
36°	276.5	280.4	279.5	277.6	272.3	271.2	270.4	269.6	269.4	265.5	266.8
36.5°	274.1	278.3	277.2	275.3	269.9	268.8	267.9	267.3	267.2	263.3	264.4
37°	271.8	275.8	274.8	273.0	267.4	266.4	265.7	265.1	264.4	260.8	262.2
37.5°	269.3	273.6	272.4	270.4	265.4	264.2	263.2	262.4	262.2	258.4	259.8
38°	266.9	271.3	270.2	268.3	262.8	261.6	260.8	260.2	259.7	256.1	257.3
38.5°	264.7	268.9	267.9	265.9	260.4	259.3	258.5	257.8	257.5	253.6	254.9
39°	262.3	266.6	265.4	263.5	258.0	257.0	255.8	255.5	255.0	251.1	252.4
39.5°	259.9	264.3	263.1	261.1	255.5	254.5	253.6	252.9	252.6	248.5	249.8
40°	257.5	261.9	260.7	258.8	253.0	251.9	251.1	250.5	250.1	246.3	247.4
40.5°	255.0	259.5	258.4	256.1	250.8	249.6	248.5	248.0	247.5	243.7	245.0
41°	252.4	256.9	255.7	254.0	247.9	247.0	246.1	245.5	245.1	241.2	242.3
41.5°	249.9	254.5	253.4	251.5	245.7	244.6	243.7	242.9	242.7	238.7	240.0
42°	247.4	251.9	250.8	248.9	243.2	242.1	241.1	240.5	240.1	236.3	237.5
42.5°	245.0	249.7	248.5	246.3	240.6	239.6	238.7	237.9	237.6	233.6	235.0
43°	242.5	247.0	246.0	244.1	238.0	237.0	236.0	235.7	235.1	231.2	232.3
43.5°	239.9	244.7	243.4	241.4	235.7	234.6	233.6	232.9	232.5	228.5	229.8
44°	237.4	242.2	240.9	239.0	233.0	232.0	231.0	230.5	229.9	226.0	227.2
44.5°	234.8	239.5	238.3	236.2	230.5	229.5	228.6	227.9	227.3	223.4	224.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	232.1	237.0	235.8	233.8	227.9	226.8	225.8	225.4	224.8	220.8	222.1
45.5°	229.7	234.6	233.2	231.4	225.4	224.3	223.5	222.9	222.2	218.2	219.5
46°	227.1	231.9	230.8	228.9	222.7	221.7	220.7	220.2	219.6	215.5	217.0
46.5°	224.5	229.4	228.1	226.2	220.3	219.1	218.2	217.7	217.1	213.0	214.2
47°	221.8	226.9	225.5	223.7	217.5	216.6	215.5	215.0	214.3	210.5	211.7
47.5°	219.3	224.3	223.0	221.0	214.8	213.9	212.9	212.4	211.9	207.9	209.0
48°	216.5	221.7	220.5	218.4	212.4	211.4	210.3	209.7	209.2	205.1	206.5
48.5°	214.1	219.1	217.9	215.8	209.6	208.9	207.8	207.1	206.6	202.5	203.8
49°	211.6	216.6	215.3	213.3	207.2	206.1	205.0	204.6	204.0	200.0	201.2
49.5°	208.8	213.9	212.5	210.5	204.6	203.6	202.3	201.8	201.5	197.1	198.5
50°	206.3	211.3	210.0	208.0	201.8	201.0	199.7	199.2	198.9	194.7	195.9
50.5°	203.6	208.7	207.4	205.3	199.2	198.4	197.0	196.5	196.3	191.7	193.4
51°	201.2	206.1	204.9	202.8	196.4	195.6	194.4	193.8	193.7	189.2	190.7
51.5°	198.6	203.5	202.1	200.2	193.8	193.1	191.6	191.0	191.2	186.5	187.9
52°	195.9	200.6	199.7	197.5	191.1	190.3	189.1	188.5	188.4	183.9	185.2
52.5°	193.4	198.3	197.0	194.9	188.5	187.9	186.4	185.7	185.8	181.1	182.6
53°	190.8	195.4	194.3	192.2	185.6	185.0	183.6	182.9	183.2	178.3	179.8
53.5°	188.2	192.7	191.5	189.6	182.9	182.3	181.0	180.1	180.5	175.6	177.3
54°	185.7	190.0	188.9	187.0	180.2	179.6	178.2	177.5	177.7	172.9	174.4
54.5°	183.2	187.3	186.2	184.5	177.5	176.9	175.5	174.8	175.0	170.2	171.7
55°	180.4	184.6	183.4	181.7	174.8	174.3	172.8	172.2	172.4	167.5	169.0
55.5°	177.6	181.8	180.8	179.0	172.2	171.6	170.1	169.3	169.6	164.7	166.4
56°	174.9	179.0	178.0	176.4	169.3	168.8	167.3	166.8	166.8	162.0	163.6
56.5°	172.1	176.4	175.3	173.8	166.7	165.9	164.5	163.8	164.1	159.3	160.8
57°	169.3	173.6	172.6	171.0	163.8	163.2	161.9	161.2	161.3	156.6	158.1
57.5°	166.7	171.0	169.7	168.3	161.1	160.5	159.3	158.5	158.7	153.9	155.4
58°	163.9	168.1	167.0	165.6	158.5	157.7	156.3	155.7	155.6	151.1	152.7
58.5°	161.0	165.4	164.2	162.6	155.7	154.9	153.7	153.0	153.0	148.4	149.9
59°	158.3	162.7	161.6	160.0	153.0	152.1	150.9	150.2	150.2	145.6	147.2
59.5°	155.4	160.0	158.8	157.3	150.2	149.3	148.2	147.4	147.5	143.0	144.4
60°	152.7	157.1	156.0	154.3	147.4	146.6	145.4	144.7	144.7	140.3	141.7
60.5°	149.9	154.6	153.2	151.7	144.8	143.7	142.7	142.0	141.8	137.4	138.9
61°	147.0	151.7	150.5	148.9	141.9	140.9	139.9	139.2	139.0	134.7	136.2
61.5°	144.3	149.0	147.6	146.0	139.4	138.2	137.0	136.5	136.3	132.0	133.4
62°	141.4	146.3	144.9	143.3	136.5	135.4	134.4	133.7	133.4	129.1	130.5
62.5°	138.6	143.7	142.1	140.5	133.9	132.5	131.6	130.9	130.7	126.5	127.8
63°	135.8	140.8	139.4	137.6	131.1	129.7	128.7	128.2	127.8	123.7	125.0
63.5°	133.0	138.1	136.6	134.9	128.5	126.9	126.0	125.3	125.0	120.9	122.2
64°	130.2	135.3	133.7	132.0	125.7	124.2	123.1	122.6	122.2	118.2	119.4
64.5°	127.3	132.5	131.0	129.3	123.1	121.4	120.4	119.9	119.5	115.4	116.7
65°	124.5	129.8	128.2	126.4	120.3	118.6	117.6	117.3	116.7	112.6	113.9
65.5°	121.7	126.9	125.4	123.7	117.7	115.8	114.9	114.4	113.9	110.0	111.1
66°	118.9	124.1	122.5	121.0	114.9	113.1	112.2	111.7	111.1	107.2	108.4
66.5°	116.0	121.4	119.8	118.1	112.2	110.3	109.4	108.9	108.4	104.6	105.7
67°	113.3	118.6	117.0	115.3	109.4	107.6	106.8	106.3	105.6	101.8	102.9

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

Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	110.5	115.8	114.3	112.5	106.8	104.8	104.0	103.6	102.8	99.2	100.3
68°	107.6	113.2	111.4	109.8	104.0	102.1	101.3	101.0	100.1	96.5	97.6
68.5°	104.9	110.4	108.7	107.0	101.3	99.4	98.6	98.3	97.3	93.9	94.9
69°	102.1	107.7	105.9	104.3	98.6	96.7	95.9	95.6	94.6	91.2	92.2
69.5°	99.3	104.9	103.3	101.4	95.9	94.0	93.3	92.9	91.8	88.6	89.5
70°	96.6	102.2	100.4	98.7	93.2	91.3	90.6	90.2	89.0	85.9	86.8
70.5°	93.8	99.5	97.9	96.0	90.5	88.6	87.9	87.5	86.5	83.2	84.2
71°	91.1	96.8	95.1	93.3	87.8	85.9	85.2	84.9	83.9	80.5	81.5
71.5°	88.4	94.1	92.5	90.5	85.1	83.2	82.6	82.4	81.2	78.0	79.1
72°	85.8	91.4	89.8	87.9	82.5	80.7	79.9	79.7	78.6	75.3	76.4
72.5°	83.0	88.7	87.2	85.2	79.9	78.0	77.3	77.1	76.0	72.7	73.8
73°	80.4	86.1	84.5	82.5	77.2	75.4	74.7	74.4	73.3	70.1	71.2
73.5°	77.7	83.4	81.9	79.9	74.6	72.9	72.2	71.8	70.8	67.6	68.6
74°	75.2	80.8	79.3	77.2	72.0	70.3	69.5	69.2	68.2	64.9	66.1
74.5°	72.6	78.1	76.7	74.6	69.4	67.8	66.9	66.7	65.7	62.4	63.5
75°	70.0	75.6	74.2	72.1	66.7	65.2	64.4	64.0	63.2	59.8	61.0
75.5°	67.3	72.9	71.7	69.4	64.2	62.7	61.8	61.4	60.6	57.2	58.4
76°	64.9	70.3	69.0	66.9	61.5	60.2	59.2	58.9	58.1	54.7	55.8
76.5°	62.3	67.6	66.5	64.3	59.0	57.7	56.6	56.3	55.6	52.2	53.4
77°	59.8	65.1	63.8	61.7	56.4	55.1	54.0	53.7	53.2	49.7	50.9
77.5°	57.3	62.4	61.3	59.1	53.9	52.7	51.6	51.2	50.7	47.2	48.3
78°	54.8	59.9	58.8	56.7	51.3	50.3	49.1	48.7	48.3	44.7	45.9
78.5°	52.3	57.4	56.3	54.1	48.8	47.7	46.5	46.2	45.8	42.2	43.4
79°	49.8	54.8	53.7	51.7	46.3	45.2	44.0	43.7	43.5	39.8	41.0
79.5°	47.3	52.2	51.2	49.2	43.7	42.7	41.6	41.2	41.1	37.3	38.5
80°	44.8	49.7	48.7	46.7	41.3	40.3	39.1	38.8	38.7	34.9	36.1
80.5°	42.5	47.2	46.2	44.2	38.8	37.9	36.7	36.4	36.3	32.5	33.7
81°	40.1	44.6	43.6	41.9	36.4	35.4	34.3	33.9	34.0	30.1	31.4
81.5°	37.7	42.2	41.2	39.5	34.0	33.0	32.0	31.5	31.7	27.7	29.0
82°	35.3	39.8	38.7	37.1	31.5	30.6	29.5	29.1	29.3	25.4	26.7
82.5°	32.9	37.3	36.3	34.7	29.1	28.2	27.2	26.8	27.0	23.1	24.3
83°	30.5	34.8	33.9	32.3	26.8	25.8	24.8	24.4	24.8	20.9	22.1
83.5°	28.1	32.4	31.4	29.9	24.4	23.5	22.5	22.1	22.5	18.6	19.8
84°	25.8	29.9	29.0	27.5	22.1	21.2	20.2	19.9	20.3	16.4	17.5
84.5°	23.5	27.5	26.6	25.1	19.8	18.8	18.0	17.6	18.1	14.2	15.3
85°	21.1	25.1	24.3	22.8	17.5	16.5	15.7	15.4	15.8	12.1	13.1
85.5°	18.9	22.8	21.9	20.5	15.2	14.3	13.5	13.2	13.7	10.0	11.0
86°	16.6	20.4	19.5	18.1	13.0	12.1	11.3	11.1	11.5	7.9	8.8
86.5°	14.4	18.0	17.2	15.9	10.8	9.9	9.1	8.9	9.4	5.8	6.6
87°	12.1	15.8	14.9	13.6	8.6	7.7	6.9	6.8	7.3	3.7	4.5
87.5°	9.9	13.5	12.5	11.3	6.3	5.5	4.7	4.6	5.1	2.0	2.6
88°	7.7	11.3	10.3	9.1	4.1	3.3	2.7	2.8	3.2	0.8	1.1
88.5°	5.5	9.0	8.0	6.8	2.0	1.4	1.2	1.3	1.5	0.2	0.4
89°	3.4	6.8	5.8	4.6	0.5	0.3	0.4	0.5	0.6	0.1	0.1
89.5°	2.6	4.7	3.6	3.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.7	3.5	2.7	2.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
90.5°	0.9	2.3	1.8	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: P1596632
CATALOG NUMBER: HLB3SLSFS5-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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
125.5°	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	0.2	0.2
127°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	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: P1596632
CATALOG NUMBER: HLB3SLSFS5-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	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
146°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
146.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
147°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
147.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
148°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
148.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3
149°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	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: P1596632
CATALOG NUMBER: HLB3SLSFS5-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°	0.2	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°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.2	0.2	0.2	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: P1596632
CATALOG NUMBER: HLB3SLSFS5-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: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	365.0	365.0	365.0	365.0	*365.0*	365.0
0.5°	*364.9*	*365.4*	*365.2*	*365.0*	*365.5*	*365.4*
1°	364.6	365.2	365.2	365.3	*365.3*	365.1
1.5°	364.5	365.2	365.3	365.1	*365.5*	365.2
2°	364.2	364.9	364.9	365.2	*365.3*	365.1
2.5°	364.1	364.8	364.9	364.9	*365.2*	365.0
3°	363.5	364.7	364.5	364.9	*365.1*	364.6
3.5°	363.5	364.4	364.6	364.6	*364.9*	364.7
4°	362.9	364.1	364.0	364.5	*364.6*	364.5
4.5°	362.6	363.8	364.2	364.0	*364.4*	364.1
5°	362.2	363.3	363.7	364.0	*363.9*	363.8
5.5°	361.7	362.8	363.3	363.2	*363.7*	363.4
6°	361.0	362.6	363.0	363.4	*363.2*	363.1
6.5°	360.5	362.0	362.5	362.7	*363.1*	362.8
7°	359.8	361.6	361.9	362.4	*362.1*	362.2
7.5°	359.4	361.0	361.3	361.8	*362.0*	361.6
8°	358.6	360.2	360.9	361.1	*361.3*	361.2
8.5°	357.9	359.8	360.1	360.6	*361.0*	360.7
9°	357.2	358.8	359.4	360.0	*360.1*	359.9
9.5°	356.2	358.2	358.9	359.3	*359.8*	359.3
10°	355.6	357.7	358.1	358.7	*358.9*	358.5
10.5°	354.6	356.8	357.3	358.0	*358.4*	358.0
11°	353.8	356.0	356.6	357.1	*357.4*	357.3
11.5°	352.7	355.3	355.6	356.1	*356.5*	356.4
12°	351.8	354.2	354.7	355.5	*355.6*	355.5
12.5°	350.8	353.6	354.0	354.4	*354.9*	354.6
13°	349.8	352.3	353.1	353.8	*353.9*	353.8
13.5°	348.8	351.2	352.1	352.6	*353.1*	352.6
14°	347.5	350.3	351.1	351.8	*352.0*	351.8
14.5°	346.7	349.2	349.9	350.6	*351.2*	350.8
15°	345.3	348.3	348.8	349.8	*349.9*	349.6
15.5°	344.1	346.9	347.8	348.5	*348.9*	348.9
16°	342.8	345.8	346.5	347.5	*347.7*	347.6
16.5°	341.7	344.7	345.4	346.1	*346.7*	346.4
17°	340.3	343.2	344.3	345.3	*345.2*	345.1
17.5°	338.9	342.0	342.9	343.7	*344.3*	344.0
18°	337.1	340.9	341.6	342.8	*342.8*	342.7
18.5°	336.3	339.2	340.3	341.0	*341.7*	341.4
19°	334.6	338.0	339.0	340.1	*340.0*	339.9
19.5°	333.0	336.6	337.4	338.6	*338.9*	338.6
20°	331.5	335.3	336.1	337.3	*337.4*	337.2
20.5°	329.9	333.6	334.7	335.7	*336.1*	335.6
21°	328.3	332.0	333.0	334.4	*334.4*	334.2
21.5°	326.9	330.5	331.6	332.6	*332.9*	332.7
22°	325.1	328.9	330.1	331.2	*331.3*	331.1

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

Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	323.6	327.1	328.5	329.6	*330.1*	329.4
23°	321.6	325.7	327.0	328.1	*328.2*	328.0
23.5°	320.1	323.9	325.1	326.2	*326.7*	326.1
24°	318.1	322.2	323.4	324.8	*324.9*	324.5
24.5°	316.5	320.4	321.9	323.0	*323.4*	323.0
25°	314.5	318.8	319.9	321.4	*321.6*	321.1
25.5°	312.9	316.8	318.1	319.5	*319.9*	319.6
26°	310.7	315.1	316.5	317.8	*317.8*	317.8
26.5°	309.0	313.2	314.6	315.9	*316.5*	315.8
27°	307.1	311.5	312.8	314.2	*314.2*	314.0
27.5°	305.0	309.5	310.7	312.1	*312.5*	312.0
28°	303.0	307.5	308.8	310.3	*310.7*	310.2
28.5°	301.2	305.5	307.1	308.4	*308.6*	308.1
29°	299.1	303.6	305.0	306.5	*306.9*	306.2
29.5°	297.1	301.4	303.1	304.5	*304.9*	304.2
30°	295.0	299.6	301.1	302.5	*302.8*	302.3
30.5°	292.8	297.3	299.3	300.5	*300.8*	300.2
31°	290.7	295.4	296.9	298.5	*298.8*	298.1
31.5°	288.4	293.3	294.9	296.4	*296.7*	296.1
32°	286.6	290.9	293.0	294.2	*294.5*	294.0
32.5°	284.1	288.9	290.6	292.1	*292.5*	292.0
33°	282.0	286.9	288.5	289.9	*290.2*	289.8
33.5°	279.7	284.5	286.3	287.8	*288.2*	287.6
34°	277.4	282.4	284.2	285.6	*286.0*	285.3
34.5°	275.2	280.2	281.9	283.4	*283.6*	283.3
35°	272.8	278.0	279.8	281.2	*281.6*	280.7
35.5°	270.6	275.6	277.4	278.8	*279.2*	278.6
36°	268.3	273.4	275.2	276.6	*277.0*	276.5
36.5°	265.9	271.0	272.8	274.4	*274.7*	274.1
37°	263.5	268.9	270.4	272.1	*272.3*	271.8
37.5°	261.3	266.3	268.2	269.6	*270.1*	269.3
38°	259.0	264.0	265.8	267.4	*267.6*	266.9
38.5°	256.3	261.6	263.4	265.0	*265.4*	264.7
39°	253.9	259.3	261.0	262.5	*262.8*	262.3
39.5°	251.5	256.8	258.8	260.2	*260.6*	259.9
40°	249.0	254.2	256.2	257.7	*258.1*	257.5
40.5°	246.5	251.8	253.6	255.0	*255.8*	255.0
41°	244.1	249.4	251.3	252.9	*253.3*	252.4
41.5°	241.5	246.8	248.8	250.2	*250.9*	249.9
42°	238.9	244.5	246.3	247.8	*248.3*	247.4
42.5°	236.5	241.8	243.8	245.3	*245.8*	245.0
43°	233.9	239.4	241.2	242.8	*243.2*	242.5
43.5°	231.4	236.8	238.7	240.3	*240.8*	239.9
44°	228.8	234.4	236.3	237.8	*238.2*	237.4
44.5°	226.2	231.8	233.6	235.3	*235.6*	234.8

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

Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	223.6	229.3	231.2	232.6	*233.1*	232.1
45.5°	221.1	226.5	228.7	230.1	*230.8*	229.7
46°	218.3	224.1	225.9	227.7	*228.0*	227.1
46.5°	215.9	221.4	223.4	224.9	*225.8*	224.5
47°	213.3	218.9	220.8	222.3	*222.9*	221.8
47.5°	210.6	216.1	218.2	219.9	*220.2*	219.3
48°	208.1	213.7	215.6	217.2	*217.9*	216.5
48.5°	205.5	210.9	213.0	214.6	*215.2*	214.1
49°	202.8	208.5	210.3	212.0	*212.5*	211.6
49.5°	200.2	205.8	207.7	209.5	*210.1*	208.8
50°	197.5	203.1	205.2	206.9	*207.4*	206.3
50.5°	195.0	200.4	202.4	204.2	*204.7*	203.6
51°	192.3	197.8	199.9	201.7	*202.1*	201.2
51.5°	189.5	195.0	197.1	198.9	*199.6*	198.6
52°	187.0	192.5	194.5	196.3	*196.7*	195.9
52.5°	184.4	189.8	192.1	193.7	*194.1*	193.4
53°	181.6	187.0	189.2	191.0	*191.4*	190.8
53.5°	178.9	184.2	186.7	188.3	*188.6*	188.2
54°	176.4	181.7	184.1	185.5	*185.7*	185.7
54.5°	173.5	178.9	181.4	182.9	*183.3*	183.2
55°	170.8	176.2	178.9	180.1	*180.4*	180.4
55.5°	168.1	173.4	176.1	177.5	*177.7*	177.6
56°	165.5	170.8	173.4	174.5	*174.9*	174.9
56.5°	162.7	168.0	170.8	171.9	*172.2*	172.1
57°	160.0	165.3	168.1	169.1	*169.4*	169.3
57.5°	157.3	162.5	165.3	166.5	*166.6*	166.7
58°	154.6	159.7	162.6	163.7	*163.8*	163.9
58.5°	151.8	157.1	159.9	161.1	*161.2*	161.0
59°	149.0	154.4	157.1	158.1	*158.4*	158.3
59.5°	146.3	151.5	154.4	155.4	*155.7*	155.4
60°	143.6	148.9	151.6	152.7	*153.0*	152.7
60.5°	140.6	146.0	148.8	149.9	*150.2*	149.9
61°	138.0	143.4	146.0	147.0	*147.4*	147.0
61.5°	135.1	140.7	143.2	144.4	*144.8*	144.3
62°	132.4	137.9	140.4	141.6	*142.1*	141.4
62.5°	129.6	135.3	137.6	138.7	*139.3*	138.6
63°	126.8	132.4	134.8	135.9	*136.6*	135.8
63.5°	124.0	129.7	132.0	133.2	*133.8*	133.0
64°	121.3	127.2	129.2	130.3	*131.1*	130.2
64.5°	118.4	124.5	126.4	127.5	*128.3*	127.3
65°	115.6	121.7	123.6	124.7	*125.5*	124.5
65.5°	112.9	119.1	120.8	121.9	*122.7*	121.7
66°	110.1	116.3	118.0	119.2	*119.9*	118.9
66.5°	107.4	113.6	115.2	116.4	*117.1*	116.0
67°	104.6	111.0	112.3	113.7	*114.3*	113.3

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

Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	101.9	108.3	109.7	110.9	*111.7*	110.5
68°	99.2	105.5	106.8	108.1	*108.9*	107.6
68.5°	96.5	102.8	104.1	105.4	*106.2*	104.9
69°	93.8	100.1	101.3	102.6	*103.5*	102.1
69.5°	91.1	97.4	98.5	99.9	*100.7*	99.3
70°	88.4	94.7	95.8	97.2	*98.1*	96.6
70.5°	85.7	91.9	93.1	94.6	*95.3*	93.8
71°	83.0	89.3	90.3	91.8	*92.7*	91.1
71.5°	80.4	86.6	87.7	89.2	*90.1*	88.4
72°	77.8	84.0	85.1	86.5	*87.3*	85.8
72.5°	75.2	81.4	82.4	83.9	*84.7*	83.0
73°	72.6	78.8	79.7	81.3	*82.1*	80.4
73.5°	70.1	76.2	77.1	78.7	*79.4*	77.7
74°	67.6	73.6	74.5	76.0	*76.8*	75.2
74.5°	65.0	71.0	72.0	73.6	*74.2*	72.6
75°	62.5	68.4	69.3	71.0	*71.6*	70.0
75.5°	59.9	65.8	66.8	68.5	*69.0*	67.3
76°	57.4	63.2	64.2	65.9	*66.4*	64.9
76.5°	54.9	60.6	61.7	63.3	*63.7*	62.3
77°	52.5	58.1	59.2	60.8	*61.2*	59.8
77.5°	50.0	55.6	56.7	58.3	*58.6*	57.3
78°	47.6	53.1	54.2	55.8	*56.1*	54.8
78.5°	45.1	50.6	51.7	53.2	*53.5*	52.3
79°	42.7	48.1	49.2	50.6	*50.9*	49.8
79.5°	40.2	45.6	46.8	48.2	*48.4*	47.3
80°	37.9	43.0	44.3	45.6	*45.9*	44.8
80.5°	35.4	40.6	42.0	43.2	*43.5*	42.5
81°	33.0	38.2	39.6	41.3	*41.3*	40.1
81.5°	30.6	35.8	37.2	38.8	*38.7*	37.7
82°	28.3	33.4	34.8	36.2	*36.2*	35.3
82.5°	25.9	31.0	32.4	33.6	*33.6*	32.9
83°	23.6	28.6	30.0	31.0	*31.0*	30.5
83.5°	21.3	26.2	27.6	28.6	*28.7*	28.1
84°	19.0	23.9	25.3	26.3	*26.3*	25.8
84.5°	16.8	21.6	23.0	23.9	*23.9*	23.5
85°	14.6	19.3	20.7	21.6	*21.5*	21.1
85.5°	12.4	17.0	18.4	19.3	*19.2*	18.9
86°	10.2	14.8	16.2	17.0	*16.9*	16.6
86.5°	8.0	12.6	13.9	14.7	*14.6*	14.4
87°	5.8	10.4	11.7	12.4	*12.4*	12.1
87.5°	3.6	8.2	9.5	10.2	*10.2*	9.9
88°	1.7	6.1	7.3	7.9	*8.0*	7.7
88.5°	0.6	4.0	5.1	5.7	*5.8*	5.5
89°	0.1	3.0	4.1	3.6	*3.8*	3.4
89.5°	0.1	2.0	3.1	2.7	*2.8*	2.6

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

Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.1	1.1	2.1	1.8	*1.9*	1.7
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
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Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-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	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.2	0.1	0.1	0.1
124°	0.2	0.1	0.2	0.1	0.1	0.1
124.5°	0.2	0.2	0.2	0.2	0.1	0.1
125°	0.2	0.2	0.2	0.2	0.1	0.1
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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Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-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°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.3	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
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596632
CATALOG NUMBER: HLB3SLSFS5-HI-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.2	0.2	0.2	0.2
158°	0.3	0.2	0.2	0.2	0.2	0.2
158.5°	0.3	0.2	0.2	0.2	0.2	0.2
159°	0.3	0.2	0.2	0.2	0.2	0.2
159.5°	0.3	0.2	0.2	0.2	0.2	0.2
160°	0.3	0.2	0.2	0.2	0.2	0.2
160.5°	0.3	0.2	0.2	0.2	0.2	0.2
161°	0.3	0.2	0.2	0.2	0.2	0.2
161.5°	0.3	0.2	0.2	0.2	0.2	0.2
162°	0.3	0.2	0.2	0.2	0.2	0.2
162.5°	0.3	0.2	0.2	0.2	0.2	0.2
163°	0.3	0.2	0.2	0.2	0.2	0.2
163.5°	0.3	0.2	0.2	0.2	0.2	0.2
164°	0.3	0.2	0.2	0.2	0.2	0.2
164.5°	0.3	0.2	0.2	0.2	0.2	0.2
165°	0.3	0.2	0.2	0.2	0.2	0.2
165.5°	0.3	0.2	0.2	0.2	0.2	0.2
166°	0.3	0.2	0.2	0.2	0.2	0.2
166.5°	0.3	0.2	0.2	0.2	0.2	0.2
167°	0.3	0.2	0.2	0.2	0.2	0.2
167.5°	0.3	0.2	0.2	0.2	0.2	0.2
168°	0.3	0.2	0.2	0.2	0.2	0.2
168.5°	0.3	0.2	0.2	0.2	0.2	0.2
169°	0.3	0.2	0.2	0.2	0.2	0.2
169.5°	0.3	0.2	0.2	0.2	0.2	0.2
170°	0.3	0.2	0.2	0.3	0.2	0.2
170.5°	0.3	0.2	0.2	0.3	0.2	0.2
171°	0.3	0.2	0.2	0.3	0.2	0.2
171.5°	0.3	0.2	0.2	0.3	0.2	0.2
172°	0.3	0.2	0.2	0.3	0.2	0.2
172.5°	0.3	0.2	0.2	0.2	0.2	0.2
173°	0.3	0.2	0.2	0.2	0.2	0.2
173.5°	0.3	0.2	0.2	0.2	0.2	0.2
174°	0.3	0.2	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	0.2	0.2	0.2
176.5°	0.3	0.2	0.2	0.2	0.2	0.2
177°	0.3	0.2	0.2	0.2	0.2	0.2
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: P1596632
CATALOG NUMBER: HLB3SLSFS5-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: P1596632
CATALOG NUMBER: HLB3SLSFS5-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	30.16	31.80	30.53	32.11	32.43	29.97	31.61	30.34	31.92	32.24
	3H	32.03	33.50	32.40	33.83	34.20	31.79	33.27	32.17	33.60	33.96
	4H	32.76	34.15	33.16	34.50	34.88	32.50	33.89	32.90	34.24	34.62
	6H	33.34	34.63	33.75	35.00	35.39	33.04	34.33	33.45	34.70	35.09
	8H	33.55	34.78	33.97	35.17	35.57	33.22	34.45	33.64	34.84	35.24
	12H	33.65	34.84	34.08	35.22	35.65	33.30	34.48	33.73	34.86	35.29
4H	2H	30.81	32.21	31.21	32.56	32.93	30.62	32.02	31.02	32.37	32.74
	3H	32.92	34.09	33.33	34.49	34.89	32.68	33.85	33.09	34.25	34.65
	4H	33.81	34.87	34.24	35.28	35.72	33.52	34.58	33.96	35.00	35.44
	6H	34.54	35.47	35.00	35.91	36.37	34.21	35.14	34.66	35.58	36.04
	8H	34.81	35.68	35.27	36.12	36.59	34.44	35.31	34.91	35.76	36.22
	12H	34.99	35.77	35.47	36.25	36.72	34.58	35.37	35.07	35.84	36.31
8H	4H	34.17	35.03	34.63	35.48	35.95	33.88	34.75	34.34	35.19	35.66
	6H	35.06	35.78	35.55	36.27	36.75	34.71	35.43	35.20	35.92	36.40
	8H	35.42	36.07	35.93	36.58	37.07	35.03	35.68	35.54	36.19	36.67
	12H	35.71	36.28	36.22	36.78	37.34	35.26	35.84	35.77	36.33	36.89
12H	4H	34.21	34.99	34.69	35.47	35.94	33.93	34.71	34.41	35.18	35.66
	6H	35.14	35.79	35.65	36.30	36.78	34.79	35.44	35.30	35.94	36.43
	8H	35.58	36.15	36.08	36.64	37.21	35.17	35.75	35.68	36.24	36.80

END OF REPORT