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: P1596639

Luminaire Tested: HLB3SLSFS5-MED-3000K

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:	P1596639
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (A2600511B001)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	10/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	HALO
Catalog Number:	HLB3SLSFS5-MED-3000K
Description:	HLB3 3" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	3000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

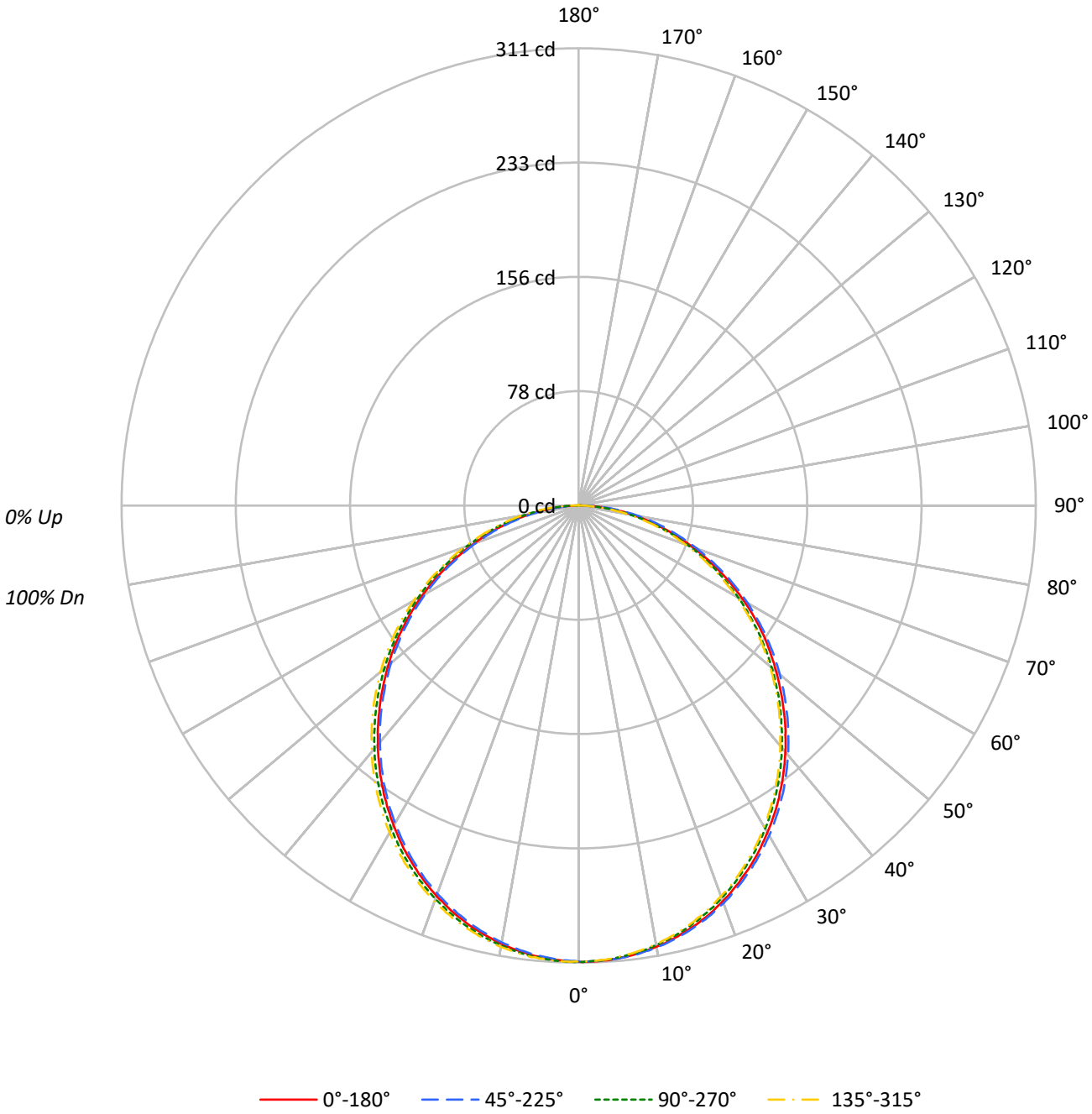
Lumens per Lamp:	N/A
Luminaire Lumens:	850.1 lumens
Efficiency:	N/A
Efficacy:	101.2 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.14' x L: 0.14' x H: 0')
CIE Type:	Direct
Input Watts (W):	8.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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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°	172457	172457	172457	172457
5°	172558	172168	171833	172279
10°	171957	171393	170885	171619
15°	170946	169968	169277	170313
20°	169508	168207	167201	168562
25°	167412	165695	164530	166186
30°	164867	162877	161465	163455
35°	161885	159646	158017	160324
40°	158742	156058	154244	156784
45°	155075	152245	150202	153189
50°	151657	148285	146210	149236
55°	148542	143988	141953	145151
60°	144279	139277	136721	140611
65°	139135	134532	130456	136111
70°	133411	128698	122848	130811
75°	127767	121755	115313	124761
80°	121942	112341	105299	117141
85°	114783	95014	86087	104580

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 89.5°
Luminance: 254752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	3.4
10°-20°	83.4	9.8
20°-30°	124.7	14.7
30°-40°	147.6	17.4
40°-50°	150.1	17.7
50°-60°	133.9	15.7
60°-70°	101.9	12.0
70°-80°	60.6	7.1
80°-90°	17.8	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°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	237.3	27.9
0°-40°	384.9	45.3
0°-60°	668.9	78.7
0°-90°	849.2	99.9
90°-120°	0.4	0.0
90°-150°	0.7	0.1
90°-180°	1.0	0.1
0°-180°	850.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	310	310	310	310	310	
5°	309	309	308	309	309	29
15°	297	295	294	296	297	84
25°	273	270	268	271	273	126
35°	239	235	233	236	239	149
45°	197	194	191	195	197	152
55°	153	149	146	150	153	137
65°	106	102	99	104	106	105
75°	60	57	54	58	60	63
85°	18	15	14	16	18	19
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°	310.3	310.3	310.3	310.3	310.3	310.3	310.3	310.3	310.3	310.3	310.3
0.5°	*310.6*	*310.3*	*309.9*	*310.2*	*310.6*	*310.4*	*310.5*	*310.5*	*310.3*	*310.0*	*309.8*
1°	310.4	310.3	310.3	310.2	310.3	310.3	310.3	310.4	310.3	309.8	309.8
1.5°	310.4	310.2	310.3	310.2	310.1	310.3	310.2	310.2	310.0	309.7	309.5
2°	310.3	310.1	310.0	310.1	310.1	310.0	310.1	310.1	309.8	309.4	309.7
2.5°	310.3	310.1	310.0	310.0	310.0	310.0	309.7	310.0	309.6	309.1	309.1
3°	309.9	309.9	309.9	309.9	309.9	309.6	309.5	309.5	309.5	309.0	309.0
3.5°	310.0	310.1	309.7	309.9	309.5	309.4	309.4	309.2	309.2	308.5	308.6
4°	309.8	309.8	310.0	309.4	309.5	309.0	309.1	309.0	308.9	308.1	308.2
4.5°	309.5	309.6	309.5	309.5	309.0	309.0	308.7	308.7	308.6	307.8	307.8
5°	309.3	309.5	309.4	309.0	308.6	308.3	308.3	308.2	308.0	307.4	307.6
5.5°	308.9	309.3	309.1	308.8	308.3	308.1	307.9	308.0	307.9	306.9	306.9
6°	308.7	308.8	308.8	308.7	307.8	307.7	307.5	307.3	307.4	306.4	306.8
6.5°	308.3	308.7	308.4	308.2	307.5	307.2	307.1	306.9	306.9	305.8	306.1
7°	307.9	308.3	308.1	307.8	306.9	306.8	306.7	306.5	306.3	305.3	305.6
7.5°	307.3	307.8	307.8	307.5	306.7	306.4	306.0	305.9	305.9	304.8	305.1
8°	307.0	307.6	307.3	307.0	306.0	305.7	305.5	305.3	305.3	304.1	304.3
8.5°	306.6	307.2	306.7	306.5	305.6	305.3	304.9	304.8	304.8	303.5	303.8
9°	305.9	306.5	306.5	306.1	304.9	304.5	304.3	304.1	304.1	302.8	303.0
9.5°	305.4	306.2	305.7	305.5	304.4	304.0	303.6	303.5	303.5	302.0	302.5
10°	304.7	305.6	305.4	304.7	303.7	303.3	302.9	302.6	302.8	301.4	301.8
10.5°	304.3	305.3	304.7	304.3	303.0	302.5	302.4	302.2	302.1	300.5	301.0
11°	303.7	304.3	304.2	303.5	302.3	301.9	301.5	301.3	301.2	299.7	300.2
11.5°	302.9	303.8	303.5	303.0	301.7	301.2	300.8	300.5	300.4	298.7	299.2
12°	302.2	303.3	302.8	302.3	300.7	300.2	299.9	299.7	299.6	298.0	298.5
12.5°	301.4	302.5	302.1	301.6	300.2	299.6	299.2	298.8	298.8	297.1	297.5
13°	300.8	301.8	301.2	300.6	299.2	298.5	298.2	297.9	297.8	296.2	296.7
13.5°	299.7	301.0	300.5	300.0	298.4	297.9	297.4	297.0	297.1	295.1	295.7
14°	299.0	300.2	299.9	299.2	297.5	296.9	296.4	296.1	296.1	294.3	294.8
14.5°	298.1	299.6	299.0	298.3	296.6	295.8	295.6	295.4	295.2	293.2	293.7
15°	297.1	298.5	298.1	297.5	295.4	295.0	294.5	294.2	294.2	292.3	292.9
15.5°	296.5	297.9	297.2	296.5	294.6	293.9	293.6	293.2	293.1	291.1	291.6
16°	295.5	296.9	296.3	295.5	293.7	293.1	292.3	292.2	292.0	290.0	290.4
16.5°	294.4	296.0	295.3	294.6	292.6	291.8	291.5	290.9	291.1	288.9	289.5
17°	293.4	295.0	294.5	293.5	291.3	290.8	290.4	289.8	289.9	287.6	288.1
17.5°	292.4	293.9	293.4	292.5	290.3	289.7	289.2	288.7	288.8	286.6	287.3
18°	291.3	292.9	292.6	291.4	289.1	288.6	288.1	287.5	287.6	285.5	286.0
18.5°	290.2	292.0	291.2	290.4	288.1	287.2	286.7	286.4	286.3	284.1	284.8
19°	288.9	290.7	290.5	289.1	286.8	285.9	285.6	285.3	285.0	282.7	283.5
19.5°	287.8	289.9	289.0	288.2	285.6	284.7	284.1	283.9	284.0	281.5	282.4
20°	286.6	288.4	288.0	286.9	284.4	283.5	283.1	282.6	282.7	280.2	281.0
20.5°	285.3	287.2	286.6	285.6	283.0	282.3	281.6	281.4	281.3	278.9	279.6
21°	284.1	286.0	285.7	284.5	281.8	280.9	280.6	280.2	279.9	277.4	278.2
21.5°	282.8	284.7	284.2	283.3	280.3	279.6	279.0	278.7	278.6	276.1	276.8
22°	281.4	283.6	283.1	281.7	278.9	278.1	277.9	277.2	277.1	274.7	275.6

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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°	280.0	282.3	281.6	280.7	277.7	276.8	276.2	275.9	275.8	273.0	274.2
23°	278.8	280.9	280.2	279.1	276.2	275.4	275.0	274.3	274.2	271.7	272.6
23.5°	277.2	279.6	279.1	277.9	274.8	274.0	273.4	272.9	273.0	270.3	271.0
24°	275.8	278.3	277.6	276.5	273.2	272.4	272.0	271.4	271.3	268.6	269.7
24.5°	274.5	276.9	276.1	275.2	271.8	271.0	270.4	269.7	269.7	267.2	268.0
25°	273.0	275.4	274.9	273.5	270.2	269.4	268.9	268.4	268.3	265.6	266.6
25.5°	271.6	273.9	273.5	272.2	268.7	268.0	267.3	266.8	266.6	263.9	265.0
26°	270.1	272.5	271.8	270.5	267.0	266.4	265.8	265.2	265.2	262.5	263.4
26.5°	268.4	271.2	270.5	269.2	265.6	264.6	264.1	263.6	263.6	260.6	261.6
27°	266.9	269.3	268.7	267.4	264.1	263.0	262.7	262.0	262.0	259.1	260.0
27.5°	265.2	267.9	267.3	266.0	262.3	261.5	260.9	260.5	260.2	257.4	258.3
28°	263.7	266.4	265.7	264.3	260.6	259.8	259.3	258.7	258.5	255.5	256.8
28.5°	261.9	264.8	264.1	262.8	259.0	258.1	257.7	257.0	256.8	253.9	254.9
29°	260.3	263.1	262.4	261.1	257.4	256.3	255.9	255.3	255.0	252.3	253.2
29.5°	258.6	261.6	260.9	259.6	255.6	254.7	254.1	253.5	253.3	250.4	251.5
30°	256.9	259.9	259.2	257.7	253.8	252.8	252.4	251.8	251.6	248.6	249.8
30.5°	255.2	258.1	257.5	256.1	252.1	251.2	250.5	249.9	249.8	246.7	247.9
31°	253.4	256.6	255.6	254.2	250.3	249.4	248.9	248.2	248.0	245.1	246.0
31.5°	251.7	254.8	254.1	252.7	248.5	247.6	246.9	246.3	246.0	243.0	244.1
32°	249.9	252.9	252.2	250.7	246.7	245.8	245.2	244.5	244.4	241.2	242.5
32.5°	248.2	251.3	250.4	249.2	244.8	243.8	243.3	242.7	242.5	239.4	240.5
33°	246.3	249.5	248.7	247.2	242.8	242.2	241.4	240.8	240.5	237.5	238.6
33.5°	244.5	247.7	247.0	245.3	241.0	240.1	239.6	239.0	238.8	235.5	236.5
34°	242.5	246.0	245.0	243.4	239.2	238.3	237.6	237.1	236.9	233.7	234.8
34.5°	240.8	244.0	243.2	241.7	237.4	236.4	235.7	235.1	234.8	231.6	232.7
35°	238.6	242.1	241.3	239.6	235.3	234.2	233.8	233.1	232.9	229.7	231.0
35.5°	236.8	240.3	239.5	237.8	233.3	232.4	231.6	231.1	230.9	227.7	228.8
36°	235.0	238.4	237.6	235.9	231.4	230.5	229.8	229.2	229.0	225.6	226.8
36.5°	233.0	236.6	235.6	234.0	229.4	228.5	227.7	227.2	227.1	223.8	224.7
37°	231.0	234.5	233.6	232.1	227.3	226.4	225.8	225.3	224.7	221.7	222.9
37.5°	228.9	232.6	231.6	229.8	225.6	224.5	223.8	223.1	222.9	219.7	220.9
38°	226.9	230.6	229.7	228.0	223.4	222.4	221.7	221.2	220.8	217.7	218.7
38.5°	225.0	228.6	227.7	226.0	221.3	220.4	219.7	219.1	218.9	215.5	216.7
39°	223.0	226.6	225.5	224.0	219.3	218.4	217.4	217.2	216.7	213.4	214.5
39.5°	220.9	224.7	223.7	221.9	217.2	216.3	215.5	214.9	214.7	211.3	212.3
40°	218.8	222.6	221.6	220.0	215.1	214.1	213.5	212.9	212.6	209.3	210.3
40.5°	216.7	220.6	219.6	217.7	213.2	212.2	211.3	210.8	210.4	207.1	208.3
41°	214.5	218.3	217.3	215.9	210.7	210.0	209.2	208.7	208.3	205.0	206.0
41.5°	212.5	216.3	215.4	213.7	208.9	207.9	207.2	206.5	206.3	202.9	204.0
42°	210.3	214.1	213.2	211.6	206.7	205.8	205.0	204.4	204.1	200.8	201.8
42.5°	208.3	212.2	211.2	209.4	204.5	203.6	202.9	202.2	202.0	198.5	199.7
43°	206.1	210.0	209.1	207.5	202.3	201.5	200.6	200.3	199.8	196.5	197.5
43.5°	203.9	208.0	206.9	205.2	200.4	199.4	198.5	198.0	197.6	194.2	195.4
44°	201.8	205.9	204.8	203.1	198.1	197.2	196.3	195.9	195.4	192.1	193.1
44.5°	199.6	203.6	202.6	200.8	195.9	195.0	194.3	193.7	193.2	189.9	190.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	197.3	201.5	200.4	198.8	193.7	192.8	191.9	191.6	191.1	187.6	188.8
45.5°	195.2	199.4	198.2	196.7	191.6	190.7	190.0	189.5	188.9	185.5	186.6
46°	193.0	197.1	196.2	194.5	189.3	188.5	187.6	187.2	186.7	183.2	184.4
46.5°	190.8	195.0	193.9	192.3	187.2	186.3	185.5	185.1	184.5	181.0	182.1
47°	188.5	192.8	191.7	190.2	184.9	184.1	183.2	182.7	182.2	178.9	179.9
47.5°	186.4	190.7	189.6	187.8	182.6	181.8	180.9	180.5	180.1	176.7	177.7
48°	184.0	188.4	187.4	185.6	180.5	179.7	178.7	178.2	177.8	174.3	175.5
48.5°	182.0	186.2	185.2	183.4	178.2	177.6	176.6	176.1	175.6	172.1	173.2
49°	179.8	184.1	183.0	181.3	176.1	175.2	174.3	173.9	173.4	170.0	171.0
49.5°	177.5	181.8	180.6	178.9	173.9	173.1	171.9	171.6	171.3	167.6	168.7
50°	175.4	179.6	178.5	176.8	171.5	170.8	169.8	169.3	169.1	165.5	166.5
50.5°	173.1	177.4	176.3	174.5	169.3	168.7	167.4	167.0	166.9	163.0	164.4
51°	171.0	175.2	174.2	172.4	166.9	166.3	165.3	164.7	164.7	160.8	162.1
51.5°	168.8	173.0	171.7	170.1	164.8	164.1	162.8	162.4	162.5	158.6	159.7
52°	166.5	170.5	169.7	167.9	162.4	161.8	160.7	160.2	160.2	156.3	157.4
52.5°	164.3	168.6	167.4	165.6	160.2	159.7	158.4	157.8	158.0	154.0	155.2
53°	162.2	166.1	165.1	163.4	157.8	157.2	156.1	155.4	155.7	151.6	152.8
53.5°	159.9	163.8	162.7	161.2	155.5	154.9	153.8	153.1	153.4	149.2	150.7
54°	157.9	161.5	160.6	158.9	153.2	152.7	151.5	150.9	151.1	146.9	148.2
54.5°	155.7	159.2	158.2	156.8	150.9	150.4	149.2	148.6	148.7	144.6	146.0
55°	153.3	156.9	155.9	154.5	148.6	148.1	146.9	146.3	146.5	142.3	143.7
55.5°	151.0	154.6	153.7	152.2	146.3	145.8	144.6	143.9	144.1	140.0	141.4
56°	148.6	152.2	151.3	150.0	143.9	143.5	142.2	141.8	141.8	137.7	139.1
56.5°	146.3	149.9	149.0	147.7	141.7	141.0	139.9	139.2	139.5	135.4	136.7
57°	143.9	147.6	146.7	145.4	139.3	138.7	137.6	137.0	137.1	133.1	134.4
57.5°	141.7	145.3	144.3	143.0	136.9	136.4	135.4	134.7	134.9	130.8	132.1
58°	139.3	142.9	142.0	140.8	134.8	134.0	132.9	132.4	132.3	128.5	129.8
58.5°	136.9	140.6	139.6	138.2	132.3	131.6	130.6	130.0	130.1	126.2	127.4
59°	134.6	138.3	137.3	136.0	130.1	129.3	128.3	127.7	127.7	123.7	125.1
59.5°	132.1	136.0	135.0	133.7	127.7	126.9	126.0	125.3	125.4	121.5	122.7
60°	129.8	133.6	132.6	131.2	125.3	124.6	123.6	123.0	123.0	119.2	120.4
60.5°	127.4	131.4	130.3	129.0	123.1	122.2	121.3	120.7	120.5	116.8	118.0
61°	125.0	129.0	128.0	126.5	120.6	119.8	118.9	118.3	118.1	114.5	115.7
61.5°	122.6	126.6	125.5	124.1	118.5	117.5	116.5	116.0	115.9	112.2	113.4
62°	120.2	124.4	123.2	121.8	116.0	115.1	114.2	113.7	113.4	109.8	110.9
62.5°	117.8	122.1	120.8	119.4	113.8	112.6	111.8	111.2	111.1	107.5	108.6
63°	115.5	119.7	118.5	117.0	111.4	110.3	109.4	109.0	108.6	105.1	106.3
63.5°	113.0	117.4	116.1	114.7	109.2	107.9	107.1	106.5	106.2	102.8	103.9
64°	110.7	115.0	113.7	112.2	106.9	105.6	104.6	104.2	103.9	100.5	101.5
64.5°	108.2	112.6	111.3	109.9	104.6	103.2	102.3	101.9	101.5	98.1	99.2
65°	105.8	110.3	109.0	107.5	102.3	100.8	100.0	99.7	99.2	95.7	96.8
65.5°	103.4	107.9	106.6	105.1	100.0	98.4	97.6	97.2	96.8	93.5	94.4
66°	101.1	105.5	104.2	102.8	97.7	96.1	95.3	95.0	94.4	91.1	92.1
66.5°	98.6	103.2	101.8	100.4	95.4	93.7	93.0	92.6	92.1	88.9	89.9
67°	96.3	100.8	99.5	98.0	93.0	91.5	90.8	90.4	89.8	86.6	87.5

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

Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	93.9	98.5	97.1	95.7	90.8	89.1	88.4	88.1	87.4	84.3	85.3
68°	91.5	96.2	94.7	93.3	88.4	86.8	86.1	85.8	85.1	82.1	83.0
68.5°	89.2	93.8	92.4	91.0	86.1	84.5	83.8	83.5	82.7	79.8	80.7
69°	86.8	91.5	90.0	88.6	83.8	82.2	81.5	81.2	80.4	77.5	78.4
69.5°	84.4	89.2	87.8	86.2	81.5	79.9	79.3	79.0	78.0	75.3	76.1
70°	82.1	86.9	85.4	83.9	79.2	77.6	77.0	76.7	75.6	73.0	73.8
70.5°	79.7	84.6	83.2	81.6	76.9	75.4	74.7	74.4	73.6	70.8	71.6
71°	77.4	82.3	80.8	79.3	74.6	73.0	72.4	72.2	71.3	68.4	69.3
71.5°	75.1	80.0	78.6	77.0	72.4	70.7	70.2	70.0	69.0	66.3	67.2
72°	72.9	77.7	76.3	74.7	70.1	68.6	67.9	67.7	66.8	64.0	64.9
72.5°	70.6	75.4	74.1	72.4	67.9	66.3	65.7	65.5	64.6	61.8	62.8
73°	68.3	73.2	71.9	70.1	65.6	64.1	63.5	63.3	62.3	59.6	60.6
73.5°	66.1	70.9	69.6	67.9	63.4	61.9	61.3	61.1	60.2	57.4	58.3
74°	63.9	68.7	67.4	65.6	61.2	59.8	59.0	58.8	58.0	55.2	56.2
74.5°	61.7	66.4	65.2	63.4	59.0	57.6	56.9	56.7	55.9	53.0	54.0
75°	59.5	64.3	63.0	61.2	56.7	55.4	54.7	54.4	53.7	50.8	51.8
75.5°	57.2	61.9	60.9	59.0	54.6	53.3	52.5	52.2	51.5	48.7	49.7
76°	55.2	59.7	58.7	56.8	52.3	51.1	50.4	50.0	49.4	46.5	47.5
76.5°	53.0	57.5	56.5	54.7	50.2	49.0	48.1	47.8	47.3	44.4	45.4
77°	50.8	55.3	54.3	52.4	47.9	46.9	45.9	45.7	45.3	42.2	43.3
77.5°	48.7	53.1	52.1	50.3	45.8	44.8	43.9	43.5	43.1	40.1	41.1
78°	46.6	50.9	50.0	48.2	43.6	42.7	41.7	41.4	41.1	38.0	39.0
78.5°	44.5	48.8	47.8	46.0	41.5	40.6	39.6	39.3	38.9	35.9	36.9
79°	42.3	46.6	45.6	43.9	39.3	38.4	37.4	37.1	37.0	33.8	34.8
79.5°	40.2	44.3	43.5	41.8	37.2	36.3	35.4	35.1	34.9	31.7	32.8
80°	38.1	42.3	41.4	39.7	35.1	34.3	33.3	33.0	32.9	29.7	30.7
80.5°	36.1	40.1	39.2	37.6	33.0	32.2	31.2	30.9	30.9	27.6	28.7
81°	34.1	37.9	37.1	35.6	30.9	30.1	29.1	28.8	28.9	25.6	26.7
81.5°	32.0	35.9	35.0	33.6	28.9	28.1	27.2	26.8	26.9	23.6	24.6
82°	30.0	33.8	32.9	31.5	26.8	26.0	25.1	24.7	24.9	21.6	22.7
82.5°	28.0	31.7	30.9	29.5	24.7	24.0	23.1	22.8	23.0	19.7	20.7
83°	25.9	29.6	28.8	27.5	22.8	22.0	21.1	20.7	21.1	17.7	18.8
83.5°	23.9	27.5	26.7	25.4	20.7	19.9	19.1	18.8	19.1	15.8	16.8
84°	22.0	25.4	24.7	23.4	18.8	18.0	17.2	16.9	17.3	13.9	14.9
84.5°	19.9	23.3	22.6	21.3	16.8	16.0	15.3	15.0	15.4	12.1	13.0
85°	18.0	21.4	20.6	19.4	14.9	14.0	13.3	13.1	13.5	10.3	11.2
85.5°	16.1	19.4	18.6	17.4	12.9	12.2	11.5	11.2	11.6	8.5	9.3
86°	14.1	17.3	16.6	15.4	11.0	10.3	9.6	9.4	9.8	6.7	7.5
86.5°	12.2	15.3	14.6	13.5	9.2	8.4	7.7	7.6	8.0	4.9	5.6
87°	10.3	13.5	12.6	11.5	7.3	6.5	5.9	5.8	6.2	3.1	3.8
87.5°	8.4	11.5	10.7	9.6	5.4	4.7	4.0	3.9	4.3	1.7	2.2
88°	6.6	9.6	8.8	7.7	3.5	2.8	2.3	2.3	2.7	0.7	1.0
88.5°	4.7	7.7	6.8	5.8	1.7	1.2	1.0	1.1	1.3	0.2	0.4
89°	2.9	5.8	4.9	3.9	0.4	0.3	0.3	0.4	0.5	0.1	0.1
89.5°	2.2	4.0	3.0	3.0	0.1	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: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.5	3.0	2.3	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
90.5°	0.8	2.0	1.5	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91°	0.0	1.0	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.0	0.1	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: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
133.5°	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	0.2	0.1	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: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.1	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	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
157°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3

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

Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
158.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
159°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
159.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
160°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
160.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3
161°	0.2	0.2	0.2	0.2	0.2	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	0.2
173.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2
174°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
174.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
175.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
176.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
178.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
179.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	310.3	310.3	310.3	310.3	*310.3*	310.3
0.5°	*310.2*	*310.6*	*310.5*	*310.2*	*310.7*	*310.6*
1°	309.9	310.4	310.4	310.5	*310.5*	310.4
1.5°	309.8	310.5	310.5	310.3	*310.6*	310.4
2°	309.6	310.2	310.2	310.4	*310.5*	310.3
2.5°	309.5	310.1	310.2	310.2	*310.4*	310.3
3°	309.0	310.0	309.8	310.2	*310.3*	309.9
3.5°	309.0	309.7	309.9	309.9	*310.2*	310.0
4°	308.5	309.5	309.4	309.8	*309.9*	309.8
4.5°	308.2	309.2	309.5	309.4	*309.7*	309.5
5°	307.9	308.8	309.1	309.4	*309.3*	309.3
5.5°	307.4	308.4	308.8	308.7	*309.1*	308.9
6°	306.9	308.2	308.5	308.9	*308.7*	308.7
6.5°	306.4	307.7	308.1	308.3	*308.6*	308.3
7°	305.8	307.4	307.6	308.1	*307.8*	307.9
7.5°	305.5	306.9	307.1	307.5	*307.7*	307.3
8°	304.8	306.2	306.8	306.9	*307.1*	307.0
8.5°	304.2	305.8	306.1	306.5	*306.8*	306.6
9°	303.6	305.0	305.5	306.0	*306.1*	305.9
9.5°	302.7	304.5	305.1	305.4	*305.8*	305.4
10°	302.3	304.1	304.4	304.9	*305.0*	304.7
10.5°	301.4	303.2	303.7	304.3	*304.6*	304.3
11°	300.7	302.6	303.1	303.5	*303.8*	303.7
11.5°	299.8	302.0	302.3	302.7	*303.0*	302.9
12°	299.0	301.1	301.5	302.2	*302.3*	302.2
12.5°	298.2	300.5	300.9	301.2	*301.7*	301.4
13°	297.3	299.4	300.1	300.7	*300.8*	300.8
13.5°	296.5	298.5	299.3	299.7	*300.2*	299.7
14°	295.4	297.7	298.4	299.0	*299.2*	299.0
14.5°	294.7	296.8	297.4	298.0	*298.5*	298.1
15°	293.5	296.0	296.5	297.4	*297.4*	297.1
15.5°	292.5	294.9	295.6	296.2	*296.5*	296.5
16°	291.4	293.9	294.6	295.4	*295.5*	295.5
16.5°	290.4	293.0	293.6	294.2	*294.7*	294.4
17°	289.3	291.7	292.7	293.5	*293.4*	293.4
17.5°	288.1	290.7	291.5	292.1	*292.7*	292.4
18°	286.6	289.8	290.3	291.4	*291.3*	291.3
18.5°	285.9	288.3	289.3	289.9	*290.4*	290.2
19°	284.4	287.3	288.2	289.1	*289.0*	288.9
19.5°	283.1	286.1	286.8	287.8	*288.0*	287.8
20°	281.8	285.0	285.7	286.7	*286.8*	286.6
20.5°	280.4	283.5	284.5	285.3	*285.7*	285.3
21°	279.1	282.2	283.0	284.2	*284.2*	284.1
21.5°	277.8	280.9	281.8	282.7	*283.0*	282.8
22°	276.3	279.5	280.6	281.5	*281.6*	281.4

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Scaled Data Report

TEST NUMBER: P1596639
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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	275.1	278.0	279.2	280.2	*280.6*	280.0
23°	273.3	276.9	277.9	278.9	*278.9*	278.8
23.5°	272.1	275.3	276.4	277.3	*277.7*	277.2
24°	270.4	273.9	274.9	276.1	*276.2*	275.8
24.5°	269.0	272.3	273.6	274.6	*274.9*	274.5
25°	267.4	271.0	271.9	273.2	*273.3*	273.0
25.5°	265.9	269.2	270.4	271.6	*271.9*	271.6
26°	264.1	267.9	269.0	270.2	*270.2*	270.1
26.5°	262.6	266.2	267.4	268.5	*269.0*	268.4
27°	261.0	264.7	265.9	267.1	*267.1*	266.9
27.5°	259.3	263.0	264.1	265.3	*265.7*	265.2
28°	257.5	261.4	262.5	263.7	*264.1*	263.7
28.5°	256.0	259.6	261.0	262.1	*262.3*	261.9
29°	254.2	258.1	259.2	260.6	*260.8*	260.3
29.5°	252.5	256.1	257.6	258.8	*259.1*	258.6
30°	250.7	254.7	255.9	257.1	*257.4*	256.9
30.5°	248.9	252.7	254.4	255.4	*255.7*	255.2
31°	247.1	251.1	252.3	253.7	*253.9*	253.4
31.5°	245.1	249.3	250.7	251.9	*252.2*	251.7
32°	243.6	247.3	249.1	250.1	*250.3*	249.9
32.5°	241.5	245.6	247.0	248.3	*248.6*	248.2
33°	239.7	243.9	245.2	246.4	*246.6*	246.3
33.5°	237.8	241.9	243.4	244.6	*245.0*	244.5
34°	235.8	240.1	241.5	242.7	*243.1*	242.5
34.5°	234.0	238.1	239.6	240.9	*241.1*	240.8
35°	231.9	236.3	237.8	239.0	*239.4*	238.6
35.5°	230.0	234.2	235.8	237.0	*237.3*	236.8
36°	228.1	232.4	233.9	235.1	*235.5*	235.0
36.5°	226.0	230.3	231.9	233.2	*233.5*	233.0
37°	224.0	228.6	229.9	231.3	*231.5*	231.0
37.5°	222.1	226.4	228.0	229.2	*229.6*	228.9
38°	220.1	224.4	225.9	227.3	*227.5*	226.9
38.5°	217.8	222.3	223.9	225.2	*225.6*	225.0
39°	215.8	220.4	221.8	223.1	*223.4*	223.0
39.5°	213.8	218.2	220.0	221.2	*221.5*	220.9
40°	211.7	216.1	217.7	219.0	*219.4*	218.8
40.5°	209.6	214.0	215.5	216.8	*217.4*	216.7
41°	207.5	212.0	213.6	215.0	*215.3*	214.5
41.5°	205.3	209.8	211.4	212.7	*213.3*	212.5
42°	203.1	207.9	209.3	210.6	*211.0*	210.3
42.5°	201.1	205.5	207.2	208.5	*208.9*	208.3
43°	198.8	203.5	205.0	206.4	*206.7*	206.1
43.5°	196.7	201.3	202.9	204.2	*204.7*	203.9
44°	194.5	199.3	200.8	202.1	*202.5*	201.8
44.5°	192.3	197.0	198.6	200.0	*200.3*	199.6

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

Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	190.1	194.9	196.6	197.7	*198.2*	197.3
45.5°	187.9	192.6	194.4	195.5	*196.1*	195.2
46°	185.6	190.5	192.1	193.6	*193.8*	193.0
46.5°	183.5	188.2	189.9	191.2	*191.9*	190.8
47°	181.3	186.1	187.7	188.9	*189.4*	188.5
47.5°	179.0	183.7	185.4	186.9	*187.2*	186.4
48°	176.9	181.7	183.3	184.6	*185.2*	184.0
48.5°	174.6	179.3	181.0	182.4	*182.9*	182.0
49°	172.4	177.2	178.8	180.2	*180.6*	179.8
49.5°	170.2	174.9	176.6	178.1	*178.6*	177.5
50°	167.9	172.6	174.4	175.8	*176.3*	175.4
50.5°	165.7	170.3	172.0	173.6	*174.0*	173.1
51°	163.5	168.1	169.9	171.4	*171.8*	171.0
51.5°	161.0	165.8	167.5	169.1	*169.6*	168.8
52°	159.0	163.6	165.4	166.8	*167.2*	166.5
52.5°	156.7	161.3	163.3	164.6	*165.0*	164.3
53°	154.4	159.0	160.8	162.3	*162.7*	162.2
53.5°	152.1	156.6	158.7	160.0	*160.3*	159.9
54°	149.9	154.4	156.5	157.7	*157.9*	157.9
54.5°	147.5	152.1	154.2	155.5	*155.8*	155.7
55°	145.2	149.8	152.1	153.1	*153.3*	153.3
55.5°	142.9	147.4	149.7	150.9	*151.1*	151.0
56°	140.6	145.2	147.4	148.4	*148.6*	148.6
56.5°	138.3	142.8	145.2	146.1	*146.4*	146.3
57°	136.0	140.5	142.9	143.8	*144.0*	143.9
57.5°	133.7	138.1	140.5	141.5	*141.6*	141.7
58°	131.4	135.8	138.2	139.2	*139.3*	139.3
58.5°	129.0	133.5	135.9	136.9	*137.0*	136.9
59°	126.6	131.3	133.6	134.4	*134.6*	134.6
59.5°	124.4	128.8	131.3	132.1	*132.4*	132.1
60°	122.0	126.5	128.9	129.8	*130.0*	129.8
60.5°	119.5	124.1	126.5	127.4	*127.6*	127.4
61°	117.3	121.9	124.1	125.0	*125.3*	125.0
61.5°	114.9	119.6	121.8	122.7	*123.1*	122.6
62°	112.6	117.2	119.4	120.3	*120.8*	120.2
62.5°	110.2	115.0	117.0	117.9	*118.4*	117.8
63°	107.8	112.6	114.6	115.6	*116.1*	115.5
63.5°	105.4	110.3	112.2	113.2	*113.7*	113.0
64°	103.1	108.1	109.8	110.8	*111.4*	110.7
64.5°	100.6	105.8	107.5	108.3	*109.0*	108.2
65°	98.3	103.5	105.1	106.0	*106.7*	105.8
65.5°	95.9	101.2	102.6	103.6	*104.3*	103.4
66°	93.5	98.9	100.3	101.3	*101.9*	101.1
66.5°	91.3	96.6	97.9	98.9	*99.5*	98.6
67°	88.9	94.3	95.4	96.6	*97.1*	96.3

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	86.6	92.0	93.3	94.3	*94.9*	93.9
68°	84.3	89.7	90.8	91.9	*92.6*	91.5
68.5°	82.0	87.4	88.5	89.6	*90.2*	89.2
69°	79.8	85.1	86.1	87.2	*88.0*	86.8
69.5°	77.5	82.8	83.8	84.9	*85.6*	84.4
70°	75.2	80.5	81.4	82.7	*83.4*	82.1
70.5°	72.8	78.1	79.1	80.4	*81.0*	79.7
71°	70.5	75.9	76.8	78.1	*78.8*	77.4
71.5°	68.3	73.7	74.6	75.8	*76.6*	75.1
72°	66.1	71.4	72.3	73.5	*74.2*	72.9
72.5°	63.9	69.2	70.1	71.3	*72.0*	70.6
73°	61.7	67.0	67.8	69.1	*69.8*	68.3
73.5°	59.6	64.8	65.6	66.9	*67.5*	66.1
74°	57.4	62.5	63.3	64.6	*65.3*	63.9
74.5°	55.2	60.3	61.2	62.5	*63.0*	61.7
75°	53.1	58.1	58.9	60.3	*60.8*	59.5
75.5°	50.9	56.0	56.8	58.2	*58.6*	57.2
76°	48.8	53.7	54.6	56.0	*56.4*	55.2
76.5°	46.7	51.5	52.4	53.8	*54.2*	53.0
77°	44.6	49.4	50.3	51.7	*52.0*	50.8
77.5°	42.5	47.3	48.2	49.5	*49.8*	48.7
78°	40.5	45.1	46.0	47.4	*47.7*	46.6
78.5°	38.3	43.0	43.9	45.2	*45.5*	44.5
79°	36.3	40.9	41.8	43.0	*43.3*	42.3
79.5°	34.2	38.7	39.8	41.0	*41.2*	40.2
80°	32.2	36.6	37.6	38.8	*39.0*	38.1
80.5°	30.1	34.5	35.7	36.7	*36.9*	36.1
81°	28.0	32.5	33.7	35.1	*35.1*	34.1
81.5°	26.0	30.4	31.6	32.9	*32.9*	32.0
82°	24.1	28.4	29.6	30.8	*30.7*	30.0
82.5°	22.0	26.3	27.5	28.6	*28.6*	28.0
83°	20.0	24.3	25.5	26.4	*26.4*	25.9
83.5°	18.1	22.3	23.5	24.3	*24.4*	23.9
84°	16.2	20.3	21.5	22.4	*22.3*	22.0
84.5°	14.2	18.4	19.6	20.4	*20.3*	19.9
85°	12.4	16.4	17.6	18.3	*18.3*	18.0
85.5°	10.5	14.5	15.6	16.4	*16.3*	16.1
86°	8.7	12.6	13.7	14.4	*14.3*	14.1
86.5°	6.8	10.7	11.8	12.5	*12.4*	12.2
87°	4.9	8.9	9.9	10.6	*10.5*	10.3
87.5°	3.1	7.0	8.1	8.7	*8.7*	8.4
88°	1.5	5.2	6.2	6.8	*6.8*	6.6
88.5°	0.5	3.4	4.4	4.9	*5.0*	4.7
89°	0.1	2.5	3.5	3.1	*3.2*	2.9
89.5°	0.1	1.7	2.6	2.3	*2.4*	2.2

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.1	0.9	1.8	1.6	*1.6*	1.5
90.5°	0.1	0.1	0.9	0.8	*0.8*	0.8
91°	0.1	0.0	0.1	0.1	*0.0*	0.0
91.5°	0.1	0.0	0.1	0.0	*0.0*	0.0
92°	0.1	0.0	0.1	0.0	*0.0*	0.0
92.5°	0.1	0.0	0.1	0.0	*0.0*	0.0
93°	0.1	0.0	0.1	0.0	*0.0*	0.0
93.5°	0.1	0.1	0.1	0.0	*0.0*	0.0
94°	0.1	0.1	0.1	0.1	*0.0*	0.0
94.5°	0.1	0.1	0.1	0.1	*0.0*	0.0
95°	0.1	0.1	0.1	0.1	*0.1*	0.0
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

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Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
113°	0.1	0.1	0.1	0.1	*0.1*	0.1
113.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
114°	0.1	0.1	0.1	0.1	*0.1*	0.1
114.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
115°	0.1	0.1	0.1	0.1	*0.1*	0.1
115.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
116°	0.1	0.1	0.1	0.1	*0.1*	0.1
116.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
117°	0.1	0.1	0.1	0.1	*0.1*	0.1
117.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
118°	0.1	0.1	0.1	0.1	*0.1*	0.1
118.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
119°	0.1	0.1	0.1	0.1	*0.1*	0.1
119.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
120°	0.1	0.1	0.1	0.1	*0.1*	0.1
120.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
121°	0.1	0.1	0.1	0.1	*0.1*	0.1
121.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
122°	0.1	0.1	0.1	0.1	*0.1*	0.1
122.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
123°	0.1	0.1	0.1	0.1	*0.1*	0.1
123.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
124°	0.1	0.1	0.1	0.1	*0.1*	0.1
124.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
125°	0.1	0.1	0.1	0.1	*0.1*	0.1
125.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
126°	0.1	0.1	0.1	0.1	*0.1*	0.1
126.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
127°	0.1	0.1	0.1	0.1	*0.1*	0.1
127.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
128°	0.1	0.1	0.1	0.1	*0.1*	0.1
128.5°	0.1	0.1	0.1	0.1	*0.1*	0.1
129°	0.1	0.1	0.1	0.1	*0.1*	0.1
129.5°	0.2	0.1	0.1	0.1	*0.1*	0.1
130°	0.2	0.1	0.1	0.1	*0.1*	0.1
130.5°	0.2	0.1	0.1	0.1	*0.1*	0.1
131°	0.2	0.1	0.1	0.1	*0.1*	0.1
131.5°	0.2	0.1	0.1	0.1	*0.1*	0.1
132°	0.2	0.1	0.2	0.1	*0.1*	0.1
132.5°	0.2	0.2	0.2	0.1	*0.1*	0.1
133°	0.2	0.2	0.2	0.1	*0.1*	0.1
133.5°	0.2	0.2	0.2	0.2	*0.1*	0.1
134°	0.2	0.2	0.2	0.2	*0.1*	0.1
134.5°	0.2	0.2	0.2	0.2	*0.1*	0.2

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

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°	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.2	0.2	0.2	0.2	0.2	0.2
151°	0.2	0.2	0.2	0.2	0.2	0.2
151.5°	0.2	0.2	0.2	0.2	0.2	0.2
152°	0.2	0.2	0.2	0.2	0.2	0.2
152.5°	0.2	0.2	0.2	0.2	0.2	0.2
153°	0.2	0.2	0.2	0.2	0.2	0.2
153.5°	0.2	0.2	0.2	0.2	0.2	0.2
154°	0.2	0.2	0.2	0.2	0.2	0.2
154.5°	0.2	0.2	0.2	0.2	0.2	0.2
155°	0.2	0.2	0.2	0.2	0.2	0.2
155.5°	0.3	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

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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.2	0.2	0.2	0.2	*0.2*	0.2

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Peachtree City, GA 30269

TEST NUMBER: P1596639
CATALOG NUMBER: HLB3SLSFS5-MED-3000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	29.60	31.23	29.97	31.55	31.87	29.41	31.04	29.77	31.36	31.67
	3H	31.46	32.94	31.84	33.27	33.63	31.23	32.71	31.61	33.03	33.40
	4H	32.19	33.59	32.59	33.94	34.31	31.93	33.33	32.33	33.68	34.05
	6H	32.77	34.07	33.19	34.43	34.83	32.47	33.77	32.89	34.13	34.53
	8H	32.98	34.22	33.41	34.61	35.01	32.65	33.89	33.08	34.28	34.68
	12H	33.09	34.27	33.52	34.65	35.08	32.73	33.91	33.16	34.30	34.73
4H	2H	30.25	31.64	30.65	31.99	32.37	30.06	31.45	30.46	31.80	32.18
	3H	32.36	33.53	32.77	33.92	34.33	32.11	33.28	32.52	33.68	34.08
	4H	33.24	34.30	33.68	34.72	35.16	32.96	34.02	33.39	34.43	34.87
	6H	33.98	34.90	34.43	35.35	35.80	33.64	34.57	34.10	35.01	35.47
	8H	34.25	35.11	34.71	35.56	36.03	33.88	34.75	34.34	35.19	35.66
	12H	34.42	35.20	34.91	35.68	36.15	34.02	34.80	34.50	35.28	35.75
8H	4H	33.60	34.47	34.06	34.91	35.38	33.31	34.18	33.78	34.63	35.09
	6H	34.49	35.21	34.99	35.70	36.18	34.14	34.87	34.64	35.35	35.83
	8H	34.86	35.51	35.37	36.02	36.50	34.47	35.11	34.98	35.62	36.11
	12H	35.14	35.72	35.65	36.21	36.77	34.70	35.27	35.21	35.76	36.33
12H	4H	33.65	34.43	34.13	34.90	35.38	33.36	34.14	33.84	34.62	35.09
	6H	34.57	35.22	35.08	35.73	36.22	34.22	34.87	34.73	35.38	35.87
	8H	35.01	35.59	35.52	36.08	36.64	34.61	35.18	35.12	35.68	36.24

END OF REPORT