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: P1596630

Luminaire Tested: HLB3SLSFS5-HI-3500K

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:	P1596630
	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-3500K
Description:	HLB3 3" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT
Light Source:	3500K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

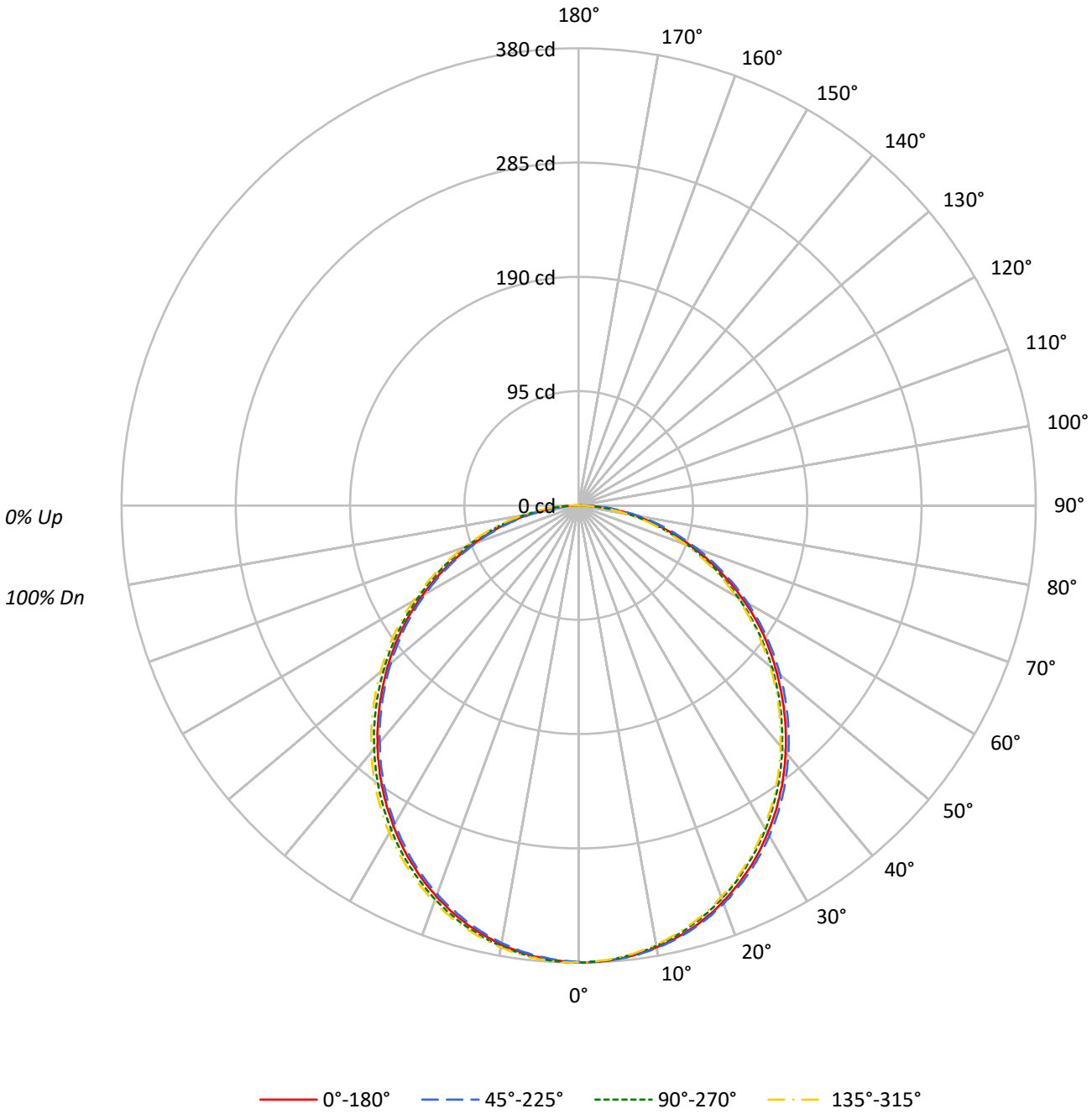
Lumens per Lamp:	N/A
Luminaire Lumens:	1040.0 lumens
Efficiency:	N/A
Efficacy:	104.0 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.34
Luminous Opening:	Rectangular (W 0.14' x L: 0.14' x H: 0')
CIE Type:	Direct
Input Watts (W):	10
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	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°	210972	210972	210972	210972
5°	211109	210663	210272	210830
10°	210446	209656	209091	209938
15°	209209	208000	207137	208403
20°	207360	205763	204581	206237
25°	204819	202734	201324	203347
30°	201768	199265	197596	199971
35°	198047	195334	193366	196148
40°	194220	190955	188779	191826
45°	189737	186279	183763	187379
50°	185550	181487	178893	182611
55°	181778	176158	173736	177611
60°	176514	170401	167289	172068
65°	170303	164648	159650	166489
70°	163148	157461	150311	160060
75°	156327	148812	141081	152677
80°	149147	137625	128664	143066
85°	140290	116058	105217	128174

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°	35.9	3.4
10°-20°	102.0	9.8
20°-30°	152.5	14.7
30°-40°	180.6	17.4
40°-50°	183.6	17.7
50°-60°	163.8	15.7
60°-70°	124.7	12.0
70°-80°	74.2	7.1
80°-90°	21.8	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°	0.2	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	290.4	27.9
0°-40°	471.0	45.3
0°-60°	818.4	78.7
0°-90°	1039.0	99.9
90°-120°	0.4	0.0
90°-150°	0.8	0.1
90°-180°	1.0	0.1
0°-180°	1040.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	380	380	380	380	380	
5°	378	378	377	378	378	36
15°	364	362	360	362	364	103
25°	334	331	328	332	334	154
35°	292	288	285	289	292	183
45°	241	237	234	238	241	186
55°	188	182	179	183	188	167
65°	130	125	121	127	130	128
75°	73	69	66	71	73	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°	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6
0.5°	*380.0*	*379.7*	*379.2*	*379.5*	*380.0*	*379.8*	*379.9*	*379.9*	*379.7*	*379.3*	*379.0*
1°	379.7	379.6	379.6	379.5	379.7	379.7	379.7	379.8	379.7	379.0	379.1
1.5°	379.8	379.5	379.6	379.6	379.4	379.7	379.5	379.5	379.3	378.9	378.7
2°	379.7	379.4	379.3	379.4	379.4	379.3	379.4	379.4	379.1	378.6	378.9
2.5°	379.7	379.5	379.3	379.3	379.3	379.3	378.9	379.3	378.8	378.2	378.2
3°	379.2	379.2	379.1	379.2	379.1	378.9	378.7	378.7	378.6	378.1	378.0
3.5°	379.3	379.4	378.9	379.1	378.7	378.5	378.6	378.4	378.4	377.4	377.6
4°	379.0	379.0	379.2	378.6	378.7	378.1	378.2	378.0	378.0	376.9	377.1
4.5°	378.7	378.9	378.7	378.7	378.1	378.1	377.8	377.7	377.6	376.6	376.6
5°	378.4	378.7	378.5	378.1	377.6	377.2	377.2	377.1	376.9	376.1	376.4
5.5°	377.9	378.4	378.1	377.8	377.2	377.0	376.7	376.8	376.7	375.5	375.5
6°	377.7	377.9	377.9	377.7	376.6	376.5	376.3	376.0	376.2	374.9	375.3
6.5°	377.3	377.7	377.3	377.1	376.3	375.9	375.7	375.4	375.4	374.1	374.5
7°	376.7	377.3	377.0	376.6	375.4	375.4	375.3	375.0	374.8	373.5	373.9
7.5°	376.0	376.6	376.7	376.3	375.3	374.9	374.4	374.2	374.3	372.9	373.3
8°	375.6	376.3	376.0	375.6	374.4	374.1	373.8	373.6	373.5	372.0	372.3
8.5°	375.1	375.8	375.3	375.0	373.9	373.6	373.0	372.9	372.9	371.3	371.7
9°	374.3	375.1	375.0	374.5	373.0	372.6	372.3	372.1	372.1	370.5	370.8
9.5°	373.7	374.7	374.0	373.8	372.5	372.0	371.5	371.3	371.3	369.5	370.1
10°	372.9	373.9	373.6	372.8	371.5	371.1	370.6	370.2	370.5	368.8	369.2
10.5°	372.3	373.6	372.8	372.4	370.7	370.2	370.0	369.7	369.7	367.7	368.2
11°	371.6	372.3	372.2	371.3	369.9	369.3	368.9	368.7	368.5	366.7	367.3
11.5°	370.6	371.8	371.3	370.8	369.1	368.6	368.1	367.7	367.5	365.5	366.1
12°	369.7	371.1	370.5	369.9	368.0	367.3	366.9	366.7	366.6	364.6	365.3
12.5°	368.8	370.1	369.6	369.1	367.3	366.6	366.0	365.6	365.6	363.5	364.0
13°	368.0	369.2	368.5	367.8	366.1	365.3	364.9	364.5	364.4	362.4	363.0
13.5°	366.7	368.3	367.7	367.1	365.1	364.5	363.9	363.4	363.5	361.0	361.8
14°	365.9	367.3	367.0	366.1	364.0	363.3	362.6	362.3	362.3	360.1	360.7
14.5°	364.8	366.6	365.8	365.0	362.9	362.0	361.6	361.4	361.2	358.7	359.4
15°	363.6	365.3	364.8	364.0	361.5	360.9	360.3	359.9	360.0	357.6	358.4
15.5°	362.8	364.5	363.6	362.8	360.4	359.6	359.3	358.8	358.6	356.2	356.8
16°	361.5	363.3	362.5	361.5	359.3	358.6	357.7	357.5	357.3	354.8	355.3
16.5°	360.2	362.2	361.3	360.5	358.0	357.0	356.6	356.0	356.2	353.5	354.2
17°	358.9	361.0	360.3	359.2	356.5	355.8	355.3	354.6	354.7	351.9	352.5
17.5°	357.7	359.6	359.0	357.9	355.2	354.4	353.8	353.2	353.4	350.6	351.5
18°	356.4	358.4	358.0	356.6	353.7	353.1	352.6	351.8	351.9	349.3	349.9
18.5°	355.1	357.3	356.2	355.3	352.4	351.4	350.8	350.4	350.3	347.6	348.5
19°	353.5	355.7	355.4	353.7	350.9	349.8	349.4	349.0	348.8	345.9	346.9
19.5°	352.1	354.7	353.6	352.6	349.4	348.3	347.7	347.3	347.5	344.4	345.5
20°	350.6	352.9	352.4	351.0	347.9	346.9	346.3	345.8	345.9	342.8	343.8
20.5°	349.1	351.4	350.6	349.4	346.2	345.4	344.6	344.2	344.2	341.2	342.0
21°	347.6	350.0	349.6	348.1	344.8	343.6	343.3	342.8	342.5	339.4	340.4
21.5°	346.0	348.4	347.7	346.6	343.0	342.0	341.4	341.0	340.9	337.8	338.7
22°	344.3	347.0	346.4	344.6	341.3	340.3	340.0	339.2	339.1	336.1	337.2

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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°	342.6	345.4	344.5	343.4	339.7	338.7	338.0	337.6	337.4	334.1	335.4
23°	341.1	343.7	342.9	341.5	338.0	336.9	336.5	335.7	335.5	332.5	333.6
23.5°	339.2	342.0	341.5	340.0	336.2	335.3	334.5	333.9	334.0	330.7	331.6
24°	337.5	340.5	339.6	338.3	334.3	333.3	332.8	332.1	331.9	328.7	330.0
24.5°	335.9	338.8	337.9	336.8	332.5	331.6	330.8	330.0	330.0	326.9	327.9
25°	334.0	337.0	336.4	334.7	330.6	329.6	329.0	328.4	328.3	324.9	326.2
25.5°	332.3	335.1	334.7	333.0	328.7	327.9	327.1	326.5	326.2	322.9	324.2
26°	330.5	333.4	332.5	330.9	326.7	325.9	325.2	324.5	324.5	321.1	322.2
26.5°	328.4	331.9	331.0	329.4	325.0	323.8	323.1	322.6	322.5	318.8	320.1
27°	326.6	329.5	328.7	327.2	323.1	321.8	321.4	320.6	320.5	317.0	318.1
27.5°	324.5	327.8	327.1	325.5	321.0	320.0	319.3	318.7	318.4	315.0	316.1
28°	322.6	326.0	325.1	323.4	318.9	317.8	317.3	316.6	316.3	312.7	314.2
28.5°	320.4	324.0	323.1	321.6	316.9	315.8	315.3	314.4	314.3	310.7	311.8
29°	318.5	322.0	321.1	319.4	314.9	313.6	313.1	312.4	312.0	308.7	309.8
29.5°	316.4	320.0	319.2	317.6	312.8	311.7	310.9	310.1	310.0	306.4	307.8
30°	314.4	318.0	317.1	315.3	310.5	309.3	308.9	308.1	307.9	304.1	305.6
30.5°	312.2	315.8	315.0	313.4	308.5	307.3	306.5	305.8	305.6	301.9	303.3
31°	310.0	313.9	312.7	311.1	306.3	305.1	304.5	303.7	303.4	299.9	301.0
31.5°	307.9	311.8	310.9	309.2	304.1	302.9	302.1	301.4	301.0	297.4	298.7
32°	305.8	309.5	308.6	306.7	301.8	300.7	300.0	299.2	299.0	295.1	296.7
32.5°	303.6	307.5	306.4	304.9	299.5	298.3	297.6	296.9	296.8	292.9	294.2
33°	301.4	305.3	304.3	302.4	297.1	296.3	295.3	294.6	294.3	290.6	291.9
33.5°	299.1	303.0	302.2	300.1	294.8	293.7	293.1	292.4	292.1	288.2	289.3
34°	296.7	301.0	299.8	297.8	292.6	291.6	290.7	290.2	289.8	285.9	287.2
34.5°	294.7	298.6	297.6	295.7	290.4	289.2	288.4	287.7	287.3	283.4	284.7
35°	291.9	296.2	295.3	293.2	287.9	286.5	286.0	285.3	285.0	281.1	282.6
35.5°	289.7	294.1	293.0	290.9	285.4	284.4	283.4	282.8	282.5	278.6	279.9
36°	287.6	291.6	290.7	288.7	283.2	282.0	281.2	280.4	280.2	276.1	277.5
36.5°	285.1	289.4	288.2	286.3	280.7	279.6	278.6	278.0	277.9	273.8	275.0
37°	282.7	286.9	285.8	283.9	278.1	277.0	276.3	275.7	275.0	271.2	272.7
37.5°	280.1	284.6	283.3	281.2	276.0	274.7	273.8	272.9	272.7	268.7	270.2
38°	277.6	282.2	281.0	279.0	273.3	272.1	271.2	270.6	270.1	266.3	267.6
38.5°	275.3	279.7	278.6	276.5	270.8	269.7	268.8	268.1	267.9	263.7	265.1
39°	272.8	277.3	276.0	274.1	268.3	267.3	266.1	265.7	265.2	261.1	262.5
39.5°	270.3	274.9	273.7	271.5	265.8	264.7	263.7	263.0	262.7	258.5	259.7
40°	267.7	272.4	271.1	269.2	263.2	262.0	261.2	260.5	260.2	256.1	257.3
40.5°	265.2	269.9	268.7	266.3	260.8	259.6	258.5	257.9	257.4	253.4	254.8
41°	262.5	267.1	265.9	264.2	257.9	256.9	255.9	255.3	254.9	250.8	252.0
41.5°	259.9	264.7	263.6	261.5	255.6	254.3	253.5	252.7	252.4	248.2	249.6
42°	257.3	262.0	260.9	258.9	252.9	251.8	250.8	250.1	249.7	245.7	247.0
42.5°	254.8	259.7	258.5	256.2	250.2	249.2	248.2	247.5	247.1	242.9	244.4
43°	252.2	256.9	255.8	253.8	247.5	246.5	245.4	245.1	244.5	240.4	241.6
43.5°	249.5	254.5	253.1	251.0	245.1	244.0	242.9	242.3	241.8	237.7	239.0
44°	246.9	251.9	250.6	248.5	242.4	241.3	240.2	239.7	239.1	235.0	236.3
44.5°	244.2	249.1	247.9	245.6	239.7	238.6	237.7	237.0	236.4	232.3	233.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	241.4	246.5	245.2	243.2	237.0	235.9	234.8	234.4	233.8	229.6	231.0
45.5°	238.9	244.0	242.6	240.6	234.4	233.3	232.4	231.8	231.1	226.9	228.3
46°	236.1	241.1	240.0	238.0	231.6	230.6	229.5	229.0	228.4	224.2	225.6
46.5°	233.5	238.5	237.3	235.2	229.1	227.9	226.9	226.4	225.7	221.5	222.8
47°	230.7	235.9	234.6	232.7	226.2	225.2	224.1	223.6	222.9	218.9	220.1
47.5°	228.1	233.3	231.9	229.8	223.4	222.5	221.4	220.9	220.4	216.2	217.4
48°	225.2	230.6	229.3	227.1	220.9	219.8	218.7	218.1	217.6	213.3	214.7
48.5°	222.6	227.9	226.6	224.4	218.0	217.3	216.1	215.4	214.8	210.6	212.0
49°	220.0	225.2	223.9	221.9	215.5	214.4	213.3	212.7	212.2	208.0	209.2
49.5°	217.1	222.5	221.0	218.9	212.8	211.8	210.4	209.9	209.6	205.0	206.4
50°	214.6	219.7	218.4	216.3	209.9	209.0	207.7	207.1	206.9	202.4	203.7
50.5°	211.7	217.0	215.7	213.5	207.1	206.4	204.9	204.4	204.2	199.4	201.1
51°	209.2	214.4	213.1	210.9	204.2	203.5	202.2	201.6	201.5	196.8	198.3
51.5°	206.5	211.7	210.1	208.2	201.6	200.8	199.2	198.7	198.8	194.0	195.4
52°	203.8	208.6	207.7	205.4	198.7	197.9	196.6	196.0	196.0	191.3	192.6
52.5°	201.1	206.2	204.9	202.6	196.1	195.4	193.8	193.1	193.3	188.4	189.9
53°	198.5	203.2	202.0	199.9	193.0	192.4	190.9	190.2	190.5	185.5	186.9
53.5°	195.7	200.5	199.1	197.2	190.2	189.6	188.2	187.4	187.7	182.6	184.3
54°	193.2	197.6	196.4	194.4	187.4	186.8	185.4	184.6	184.8	179.8	181.4
54.5°	190.5	194.8	193.6	191.8	184.6	184.0	182.5	181.8	182.0	177.0	178.6
55°	187.6	192.0	190.7	189.0	181.8	181.2	179.7	179.0	179.3	174.2	175.8
55.5°	184.7	189.1	188.0	186.2	179.0	178.4	176.9	176.1	176.3	171.2	173.0
56°	181.9	186.2	185.1	183.5	176.1	175.5	174.0	173.4	173.5	168.4	170.2
56.5°	179.0	183.5	182.3	180.7	173.3	172.5	171.1	170.4	170.6	165.6	167.2
57°	176.0	180.6	179.5	177.8	170.4	169.7	168.4	167.7	167.7	162.8	164.5
57.5°	173.3	177.8	176.5	175.0	167.6	166.9	165.6	164.9	165.0	160.0	161.7
58°	170.5	174.8	173.7	172.2	164.9	164.0	162.6	162.0	161.9	157.2	158.8
58.5°	167.5	172.0	170.8	169.1	161.9	161.1	159.8	159.1	159.1	154.4	155.9
59°	164.6	169.2	168.0	166.4	159.1	158.2	157.0	156.2	156.3	151.4	153.1
59.5°	161.7	166.3	165.2	163.6	156.2	155.3	154.1	153.3	153.4	148.7	150.1
60°	158.8	163.4	162.3	160.5	153.3	152.4	151.2	150.5	150.5	145.9	147.3
60.5°	155.9	160.8	159.4	157.8	150.6	149.5	148.4	147.6	147.5	142.9	144.4
61°	152.9	157.8	156.6	154.8	147.6	146.6	145.5	144.7	144.5	140.1	141.6
61.5°	150.0	154.9	153.5	151.8	144.9	143.7	142.5	141.9	141.8	137.2	138.7
62°	147.1	152.2	150.7	149.0	142.0	140.8	139.7	139.1	138.8	134.3	135.7
62.5°	144.1	149.4	147.8	146.1	139.3	137.8	136.8	136.1	136.0	131.5	132.9
63°	141.3	146.4	145.0	143.1	136.3	134.9	133.9	133.4	132.9	128.6	130.0
63.5°	138.3	143.6	142.1	140.3	133.6	132.0	131.1	130.3	130.0	125.7	127.1
64°	135.4	140.7	139.1	137.3	130.8	129.2	128.0	127.5	127.1	122.9	124.2
64.5°	132.4	137.8	136.2	134.4	128.0	126.3	125.2	124.7	124.2	120.1	121.4
65°	129.5	135.0	133.3	131.5	125.2	123.4	122.4	122.0	121.4	117.1	118.5
65.5°	126.5	132.0	130.4	128.6	122.4	120.4	119.5	119.0	118.5	114.4	115.6
66°	123.6	129.1	127.4	125.8	119.5	117.6	116.6	116.2	115.5	111.5	112.7
66.5°	120.7	126.3	124.6	122.8	116.7	114.7	113.8	113.3	112.7	108.8	110.0
67°	117.8	123.3	121.7	119.9	113.8	111.9	111.0	110.6	109.8	105.9	107.0

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

Scaled Data Report

TEST NUMBER: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	114.9	120.5	118.9	117.0	111.1	109.0	108.2	107.8	107.0	103.2	104.3
68°	112.0	117.7	115.9	114.1	108.1	106.2	105.3	105.0	104.1	100.4	101.5
68.5°	109.1	114.8	113.1	111.3	105.3	103.4	102.6	102.2	101.2	97.6	98.7
69°	106.2	112.0	110.2	108.5	102.5	100.6	99.8	99.4	98.3	94.9	95.9
69.5°	103.3	109.1	107.4	105.5	99.7	97.8	97.0	96.6	95.4	92.1	93.1
70°	100.4	106.3	104.4	102.7	96.9	95.0	94.2	93.8	92.5	89.3	90.3
70.5°	97.6	103.5	101.8	99.8	94.1	92.2	91.4	91.0	90.0	86.6	87.6
71°	94.8	100.6	98.9	97.0	91.3	89.4	88.6	88.3	87.3	83.7	84.8
71.5°	91.9	97.9	96.2	94.2	88.6	86.6	85.9	85.6	84.4	81.1	82.2
72°	89.2	95.1	93.4	91.4	85.8	83.9	83.1	82.9	81.7	78.3	79.4
72.5°	86.4	92.3	90.6	88.6	83.0	81.2	80.4	80.2	79.0	75.7	76.8
73°	83.6	89.5	87.9	85.8	80.3	78.4	77.7	77.4	76.3	72.9	74.1
73.5°	80.8	86.7	85.2	83.1	77.5	75.8	75.1	74.7	73.6	70.3	71.4
74°	78.2	84.0	82.5	80.3	74.9	73.1	72.2	72.0	71.0	67.5	68.7
74.5°	75.5	81.3	79.8	77.6	72.2	70.5	69.6	69.4	68.4	64.9	66.1
75°	72.8	78.7	77.1	74.9	69.3	67.8	66.9	66.6	65.7	62.2	63.4
75.5°	70.0	75.8	74.5	72.2	66.8	65.2	64.2	63.9	63.0	59.5	60.8
76°	67.5	73.1	71.8	69.5	64.0	62.6	61.6	61.2	60.5	56.9	58.1
76.5°	64.8	70.4	69.2	66.9	61.4	60.0	58.9	58.5	57.9	54.3	55.5
77°	62.2	67.7	66.4	64.2	58.7	57.4	56.2	55.9	55.4	51.6	53.0
77.5°	59.6	64.9	63.8	61.5	56.1	54.8	53.7	53.3	52.7	49.0	50.3
78°	57.0	62.3	61.2	59.0	53.4	52.3	51.0	50.6	50.3	46.5	47.7
78.5°	54.4	59.7	58.5	56.3	50.8	49.6	48.4	48.1	47.7	43.9	45.1
79°	51.7	57.0	55.8	53.8	48.1	47.0	45.8	45.5	45.2	41.3	42.6
79.5°	49.2	54.2	53.2	51.2	45.5	44.4	43.3	42.9	42.7	38.8	40.1
80°	46.6	51.7	50.6	48.6	43.0	41.9	40.7	40.3	40.2	36.3	37.6
80.5°	44.2	49.1	48.0	46.0	40.4	39.4	38.2	37.8	37.8	33.8	35.1
81°	41.7	46.4	45.3	43.6	37.8	36.9	35.6	35.3	35.3	31.3	32.6
81.5°	39.2	43.9	42.8	41.1	35.3	34.3	33.2	32.8	32.9	28.9	30.1
82°	36.7	41.4	40.3	38.6	32.7	31.9	30.7	30.3	30.5	26.4	27.7
82.5°	34.2	38.8	37.8	36.1	30.3	29.3	28.3	27.8	28.1	24.1	25.3
83°	31.7	36.2	35.2	33.6	27.8	26.9	25.8	25.4	25.8	21.7	23.0
83.5°	29.3	33.7	32.7	31.1	25.4	24.4	23.4	23.0	23.4	19.4	20.6
84°	26.9	31.1	30.2	28.6	23.0	22.0	21.0	20.7	21.1	17.0	18.2
84.5°	24.4	28.5	27.7	26.1	20.6	19.6	18.7	18.3	18.8	14.8	15.9
85°	22.0	26.2	25.3	23.7	18.2	17.2	16.3	16.0	16.5	12.6	13.7
85.5°	19.6	23.7	22.7	21.3	15.8	14.9	14.0	13.8	14.2	10.4	11.4
86°	17.3	21.2	20.3	18.8	13.5	12.6	11.7	11.5	12.0	8.2	9.1
86.5°	14.9	18.8	17.9	16.5	11.2	10.3	9.4	9.3	9.8	6.0	6.9
87°	12.6	16.5	15.5	14.1	8.9	8.0	7.2	7.0	7.5	3.8	4.6
87.5°	10.3	14.1	13.0	11.8	6.6	5.7	4.9	4.8	5.3	2.1	2.7
88°	8.0	11.8	10.7	9.4	4.3	3.4	2.8	2.9	3.3	0.9	1.2
88.5°	5.8	9.4	8.3	7.0	2.1	1.4	1.2	1.3	1.6	0.2	0.5
89°	3.6	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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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	1.0	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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
119.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
125°	0.2	0.2	0.2	0.2	0.1	0.1	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	0.2	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	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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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	0.3
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	0.3	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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	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°	0.3	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	0.3	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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	379.6	379.6	379.6	379.6	*379.6*	379.6
0.5°	*379.5*	*380.0*	*379.8*	*379.6*	*380.1*	*380.0*
1°	379.2	379.8	379.8	379.9	*379.9*	379.7
1.5°	379.1	379.8	379.9	379.7	*380.1*	379.8
2°	378.8	379.5	379.5	379.8	*379.9*	379.7
2.5°	378.7	379.4	379.5	379.5	*379.8*	379.7
3°	378.0	379.3	379.1	379.5	*379.7*	379.2
3.5°	378.1	379.0	379.2	379.2	*379.5*	379.3
4°	377.4	378.7	378.6	379.1	*379.2*	379.0
4.5°	377.1	378.3	378.7	378.6	*379.0*	378.7
5°	376.7	377.9	378.2	378.6	*378.4*	378.4
5.5°	376.1	377.3	377.8	377.7	*378.2*	377.9
6°	375.4	377.1	377.5	378.0	*377.7*	377.7
6.5°	374.9	376.5	377.0	377.2	*377.6*	377.3
7°	374.2	376.1	376.3	376.9	*376.5*	376.7
7.5°	373.8	375.5	375.8	376.3	*376.5*	376.0
8°	372.9	374.6	375.4	375.5	*375.7*	375.6
8.5°	372.2	374.2	374.5	375.0	*375.4*	375.1
9°	371.5	373.2	373.8	374.4	*374.5*	374.3
9.5°	370.4	372.5	373.2	373.7	*374.2*	373.7
10°	369.8	372.0	372.5	373.1	*373.2*	372.9
10.5°	368.8	371.0	371.6	372.3	*372.7*	372.3
11°	367.9	370.3	370.9	371.4	*371.7*	371.6
11.5°	366.8	369.5	369.9	370.3	*370.7*	370.6
12°	365.9	368.4	368.9	369.7	*369.8*	369.7
12.5°	364.8	367.7	368.1	368.5	*369.1*	368.8
13°	363.8	366.4	367.2	368.0	*368.1*	368.0
13.5°	362.8	365.2	366.2	366.7	*367.3*	366.7
14°	361.4	364.3	365.1	365.8	*366.1*	365.9
14.5°	360.5	363.1	363.9	364.7	*365.2*	364.8
15°	359.1	362.2	362.7	363.8	*363.9*	363.6
15.5°	357.9	360.8	361.7	362.4	*362.8*	362.8
16°	356.5	359.6	360.4	361.4	*361.6*	361.5
16.5°	355.3	358.5	359.2	360.0	*360.6*	360.2
17°	353.9	356.9	358.1	359.1	*359.0*	358.9
17.5°	352.5	355.7	356.7	357.4	*358.1*	357.7
18°	350.6	354.6	355.2	356.5	*356.5*	356.4
18.5°	349.8	352.7	353.9	354.7	*355.4*	355.1
19°	348.0	351.5	352.6	353.8	*353.6*	353.5
19.5°	346.3	350.0	350.9	352.1	*352.4*	352.1
20°	344.7	348.7	349.6	350.8	*350.9*	350.6
20.5°	343.1	346.9	348.1	349.1	*349.6*	349.1
21°	341.4	345.3	346.3	347.7	*347.8*	347.6
21.5°	339.9	343.7	344.8	345.9	*346.2*	346.0
22°	338.1	342.0	343.3	344.4	*344.6*	344.3

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	336.6	340.2	341.7	342.8	*343.3*	342.6
23°	334.4	338.8	340.0	341.3	*341.3*	341.1
23.5°	332.9	336.8	338.1	339.3	*339.8*	339.2
24°	330.8	335.1	336.3	337.8	*337.9*	337.5
24.5°	329.2	333.2	334.8	336.0	*336.3*	335.9
25°	327.1	331.6	332.7	334.2	*334.4*	334.0
25.5°	325.4	329.4	330.9	332.3	*332.7*	332.3
26°	323.2	327.7	329.1	330.5	*330.5*	330.5
26.5°	321.3	325.8	327.1	328.5	*329.1*	328.4
27°	319.3	323.9	325.3	326.8	*326.8*	326.6
27.5°	317.2	321.8	323.2	324.6	*325.0*	324.5
28°	315.1	319.8	321.1	322.7	*323.1*	322.6
28.5°	313.2	317.7	319.4	320.7	*321.0*	320.4
29°	311.0	315.8	317.2	318.8	*319.1*	318.5
29.5°	309.0	313.4	315.2	316.7	*317.1*	316.4
30°	306.8	311.6	313.1	314.6	*315.0*	314.4
30.5°	304.5	309.2	311.2	312.5	*312.8*	312.2
31°	302.3	307.2	308.8	310.4	*310.7*	310.0
31.5°	299.9	305.0	306.7	308.3	*308.6*	307.9
32°	298.1	302.6	304.7	306.0	*306.3*	305.8
32.5°	295.5	300.5	302.3	303.8	*304.2*	303.6
33°	293.3	298.4	300.1	301.5	*301.8*	301.4
33.5°	290.9	295.9	297.8	299.3	*299.7*	299.1
34°	288.5	293.7	295.5	297.0	*297.4*	296.7
34.5°	286.3	291.4	293.2	294.7	*295.0*	294.7
35°	283.7	289.1	290.9	292.4	*292.9*	291.9
35.5°	281.5	286.6	288.5	290.0	*290.4*	289.7
36°	279.0	284.3	286.2	287.7	*288.1*	287.6
36.5°	276.5	281.8	283.7	285.4	*285.7*	285.1
37°	274.1	279.6	281.2	283.0	*283.2*	282.7
37.5°	271.7	277.0	278.9	280.4	*280.9*	280.1
38°	269.3	274.5	276.4	278.1	*278.4*	277.6
38.5°	266.5	272.0	273.9	275.6	*276.0*	275.3
39°	264.0	269.6	271.4	273.0	*273.4*	272.8
39.5°	261.5	267.0	269.1	270.6	*271.0*	270.3
40°	259.0	264.4	266.4	268.0	*268.5*	267.7
40.5°	256.4	261.8	263.7	265.2	*266.0*	265.2
41°	253.9	259.4	261.3	263.1	*263.4*	262.5
41.5°	251.2	256.7	258.7	260.2	*261.0*	259.9
42°	248.5	254.3	256.1	257.7	*258.2*	257.3
42.5°	246.0	251.5	253.6	255.2	*255.6*	254.8
43°	243.2	249.0	250.8	252.5	*252.9*	252.2
43.5°	240.6	246.3	248.3	249.9	*250.5*	249.5
44°	238.0	243.8	245.7	247.3	*247.7*	246.9
44.5°	235.2	241.0	243.0	244.7	*245.0*	244.2

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

Scaled Data Report

TEST NUMBER: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	232.6	238.4	240.5	241.9	*242.4*	241.4
45.5°	229.9	235.6	237.9	239.3	*240.0*	238.9
46°	227.1	233.1	235.0	236.8	*237.1*	236.1
46.5°	224.6	230.3	232.4	233.9	*234.8*	233.5
47°	221.8	227.7	229.6	231.2	*231.8*	230.7
47.5°	219.1	224.8	226.9	228.6	*229.1*	228.1
48°	216.4	222.3	224.2	225.9	*226.6*	225.2
48.5°	213.7	219.4	221.5	223.1	*223.8*	222.6
49°	210.9	216.8	218.7	220.5	*221.0*	220.0
49.5°	208.2	214.0	216.0	217.9	*218.5*	217.1
50°	205.4	211.2	213.4	215.1	*215.7*	214.6
50.5°	202.8	208.4	210.5	212.4	*212.9*	211.7
51°	200.0	205.7	207.9	209.7	*210.2*	209.2
51.5°	197.0	202.8	205.0	206.8	*207.6*	206.5
52°	194.5	200.2	202.3	204.1	*204.6*	203.8
52.5°	191.8	197.3	199.8	201.4	*201.9*	201.1
53°	188.9	194.5	196.8	198.6	*199.1*	198.5
53.5°	186.0	191.6	194.2	195.8	*196.1*	195.7
54°	183.4	188.9	191.5	192.9	*193.2*	193.2
54.5°	180.5	186.1	188.6	190.2	*190.7*	190.5
55°	177.7	183.3	186.1	187.3	*187.6*	187.6
55.5°	174.9	180.4	183.1	184.6	*184.8*	184.7
56°	172.1	177.6	180.4	181.5	*181.9*	181.9
56.5°	169.2	174.7	177.7	178.8	*179.1*	179.0
57°	166.4	171.9	174.8	175.9	*176.2*	176.0
57.5°	163.6	169.0	171.9	173.2	*173.3*	173.3
58°	160.7	166.1	169.1	170.3	*170.4*	170.5
58.5°	157.9	163.3	166.3	167.5	*167.6*	167.5
59°	154.9	160.6	163.4	164.4	*164.7*	164.6
59.5°	152.2	157.6	160.6	161.6	*161.9*	161.7
60°	149.3	154.8	157.7	158.8	*159.1*	158.8
60.5°	146.3	151.9	154.7	155.9	*156.2*	155.9
61°	143.5	149.1	151.9	152.9	*153.3*	152.9
61.5°	140.6	146.3	149.0	150.1	*150.6*	150.0
62°	137.7	143.4	146.0	147.2	*147.8*	147.1
62.5°	134.8	140.7	143.1	144.2	*144.9*	144.1
63°	131.9	137.7	140.2	141.4	*142.1*	141.3
63.5°	128.9	134.9	137.2	138.5	*139.1*	138.3
64°	126.1	132.3	134.4	135.6	*136.3*	135.4
64.5°	123.1	129.4	131.5	132.6	*133.4*	132.4
65°	120.3	126.6	128.6	129.7	*130.5*	129.5
65.5°	117.4	123.9	125.6	126.8	*127.6*	126.5
66°	114.5	121.0	122.7	123.9	*124.7*	123.6
66.5°	111.7	118.2	119.8	121.0	*121.8*	120.7
67°	108.8	115.4	116.8	118.2	*118.9*	117.8

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

Scaled Data Report

TEST NUMBER: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	106.0	112.6	114.1	115.3	*116.1*	114.9
68°	103.2	109.8	111.0	112.4	*113.3*	112.0
68.5°	100.4	106.9	108.3	109.6	*110.4*	109.1
69°	97.6	104.1	105.3	106.7	*107.7*	106.2
69.5°	94.8	101.3	102.5	103.9	*104.8*	103.3
70°	92.0	98.5	99.6	101.1	*102.0*	100.4
70.5°	89.1	95.6	96.8	98.3	*99.1*	97.6
71°	86.3	92.9	93.9	95.5	*96.4*	94.8
71.5°	83.6	90.1	91.2	92.7	*93.7*	91.9
72°	80.9	87.4	88.5	90.0	*90.8*	89.2
72.5°	78.2	84.7	85.7	87.3	*88.0*	86.4
73°	75.5	81.9	82.9	84.5	*85.3*	83.6
73.5°	72.9	79.2	80.2	81.9	*82.6*	80.8
74°	70.3	76.5	77.5	79.1	*79.9*	78.2
74.5°	67.6	73.8	74.8	76.5	*77.1*	75.5
75°	65.0	71.1	72.1	73.8	*74.4*	72.8
75.5°	62.2	68.5	69.5	71.2	*71.7*	70.0
76°	59.7	65.7	66.8	68.5	*69.0*	67.5
76.5°	57.1	63.1	64.1	65.9	*66.3*	64.8
77°	54.5	60.4	61.6	63.2	*63.6*	62.2
77.5°	52.0	57.8	59.0	60.6	*61.0*	59.6
78°	49.5	55.2	56.3	58.0	*58.3*	57.0
78.5°	46.9	52.6	53.8	55.3	*55.7*	54.4
79°	44.4	50.0	51.2	52.7	*53.0*	51.7
79.5°	41.8	47.4	48.7	50.1	*50.3*	49.2
80°	39.4	44.7	46.1	47.5	*47.7*	46.6
80.5°	36.8	42.2	43.7	45.0	*45.2*	44.2
81°	34.3	39.7	41.2	43.0	*43.0*	41.7
81.5°	31.8	37.2	38.7	40.3	*40.3*	39.2
82°	29.4	34.7	36.2	37.6	*37.6*	36.7
82.5°	27.0	32.2	33.7	34.9	*35.0*	34.2
83°	24.5	29.7	31.2	32.3	*32.3*	31.7
83.5°	22.1	27.3	28.7	29.8	*29.8*	29.3
84°	19.8	24.9	26.3	27.4	*27.3*	26.9
84.5°	17.4	22.5	23.9	24.9	*24.8*	24.4
85°	15.1	20.1	21.6	22.4	*22.4*	22.0
85.5°	12.9	17.7	19.1	20.1	*20.0*	19.6
86°	10.6	15.4	16.8	17.6	*17.6*	17.3
86.5°	8.3	13.1	14.5	15.3	*15.2*	14.9
87°	6.0	10.9	12.2	12.9	*12.9*	12.6
87.5°	3.8	8.6	9.9	10.6	*10.6*	10.3
88°	1.8	6.3	7.6	8.3	*8.3*	8.0
88.5°	0.6	4.1	5.3	6.0	*6.1*	5.8
89°	0.1	3.1	4.3	3.8	*3.9*	3.6
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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.1	1.1	2.2	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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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	0.2	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	*0.2*	0.1
124°	0.2	0.2	0.2	0.2	*0.2*	0.2
124.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
125°	0.2	0.2	0.2	0.2	*0.2*	0.2
125.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
126°	0.2	0.2	0.2	0.2	*0.2*	0.2
126.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
127°	0.2	0.2	0.2	0.2	*0.2*	0.2
127.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
128°	0.2	0.2	0.2	0.2	*0.2*	0.2
128.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
129°	0.2	0.2	0.2	0.2	*0.2*	0.2
129.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
130°	0.2	0.2	0.2	0.2	*0.2*	0.2
130.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
131°	0.2	0.2	0.2	0.2	*0.2*	0.2
131.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
132°	0.2	0.2	0.2	0.2	*0.2*	0.2
132.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
133°	0.2	0.2	0.2	0.2	*0.2*	0.2
133.5°	0.2	0.2	0.2	0.2	*0.2*	0.2
134°	0.2	0.2	0.2	0.2	*0.2*	0.2
134.5°	0.2	0.2	0.2	0.2	*0.2*	0.2

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

Scaled Data Report

TEST NUMBER: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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°	0.3	0.2	0.2	0.2	0.2	0.2
143°	0.3	0.2	0.2	0.2	0.2	0.2
143.5°	0.3	0.2	0.2	0.2	0.2	0.2
144°	0.3	0.2	0.2	0.2	0.2	0.2
144.5°	0.3	0.2	0.2	0.2	0.2	0.2
145°	0.3	0.2	0.2	0.2	0.2	0.2
145.5°	0.3	0.2	0.2	0.2	0.2	0.2
146°	0.3	0.2	0.2	0.2	0.2	0.2
146.5°	0.3	0.2	0.2	0.2	0.2	0.2
147°	0.3	0.2	0.2	0.2	0.2	0.2
147.5°	0.3	0.2	0.2	0.2	0.2	0.2
148°	0.3	0.2	0.2	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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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	0.3	0.2	0.2
165.5°	0.3	0.2	0.2	0.3	0.2	0.2
166°	0.3	0.2	0.3	0.3	0.2	0.2
166.5°	0.3	0.2	0.3	0.3	0.3	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	0.3
169.5°	0.3	0.2	0.3	0.3	0.3	0.3
170°	0.3	0.2	0.3	0.3	0.3	0.3
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	0.3	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	0.3	0.3	0.3	0.2	0.3
176.5°	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3

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

Scaled Data Report

TEST NUMBER: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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: P1596630
CATALOG NUMBER: HLB3SLSFS5-HI-3500K

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	30.30	31.93	30.67	32.25	32.57	30.11	31.74	30.48	32.06	32.38
	3H	32.16	33.64	32.54	33.97	34.33	31.93	33.41	32.31	33.74	34.10
	4H	32.89	34.29	33.29	34.64	35.01	32.63	34.03	33.03	34.38	34.75
	6H	33.48	34.77	33.89	35.13	35.53	33.18	34.47	33.59	34.83	35.23
	8H	33.68	34.92	34.11	35.31	35.71	33.36	34.59	33.78	34.98	35.38
	12H	33.79	34.97	34.22	35.36	35.79	33.43	34.62	33.86	35.00	35.43
4H	2H	30.95	32.34	31.35	32.69	33.07	30.76	32.15	31.16	32.50	32.88
	3H	33.06	34.23	33.47	34.63	35.03	32.81	33.98	33.22	34.38	34.78
	4H	33.94	35.00	34.38	35.42	35.86	33.66	34.72	34.09	35.14	35.57
	6H	34.68	35.61	35.13	36.05	36.51	34.35	35.27	34.80	35.72	36.17
	8H	34.95	35.82	35.41	36.26	36.73	34.58	35.45	35.04	35.89	36.36
	12H	35.13	35.91	35.61	36.38	36.85	34.72	35.50	35.20	35.98	36.45
8H	4H	34.30	35.17	34.76	35.61	36.08	34.02	34.88	34.48	35.33	35.79
	6H	35.19	35.92	35.69	36.41	36.88	34.84	35.57	35.34	36.06	36.53
	8H	35.56	36.21	36.07	36.72	37.21	35.17	35.82	35.68	36.32	36.81
	12H	35.85	36.42	36.35	36.91	37.47	35.40	35.97	35.91	36.47	37.03
12H	4H	34.35	35.13	34.83	35.61	36.08	34.06	34.84	34.54	35.32	35.79
	6H	35.27	35.93	35.78	36.43	36.92	34.92	35.57	35.43	36.08	36.57
	8H	35.71	36.29	36.22	36.78	37.34	35.31	35.89	35.82	36.38	36.94

END OF REPORT