

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P417427

Luminaire Tested: **SMD6R129SWHE - 2700K**

Issue Date: 11/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P417427  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2008665A001)  
Test Lab: EVERFINE  
Issue Date: 11/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: SMD6R129SWHE - 2700K  
Description: SMD SELECTABLE CCT 2700K  
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1260.9 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

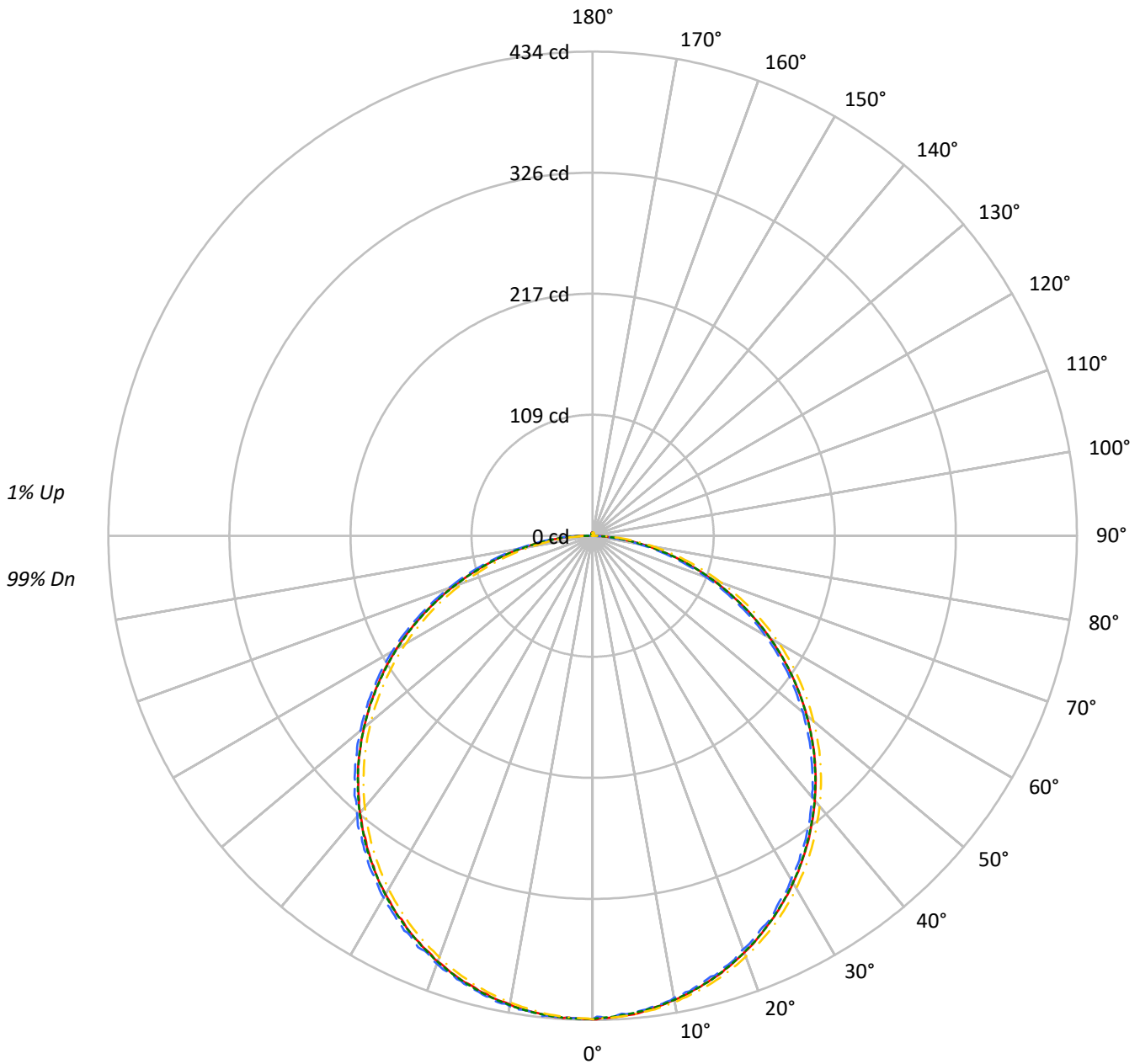
Input Watts (W): 14.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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					99															
1	108	103	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85					83															
2	98	90	83	77	96	88	82	76	84	79	74	81	76	72	78	74	71					68															
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60					57															
4	82	70	61	54	79	68	60	54	66	58	53	63	57	52	61	56	51					49															
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44					42															
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39					37															
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35					33															
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	35	31					29															
9	56	42	34	29	54	42	34	28	41	33	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25					24															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	23765	23765	23765	23765
5°	23690	23630	23778	23767
10°	23524	23508	23747	23775
15°	23360	23388	23706	23752
20°	23190	23178	23691	23697
25°	22985	22979	23602	23608
30°	22744	22731	23504	23510
35°	22493	22453	23349	23383
40°	22170	22141	23215	23229
45°	21816	21770	23057	23041
50°	21364	21347	22822	22797
55°	20807	20836	22575	22518
60°	20130	20163	22301	22169
65°	19276	19289	21831	21740
70°	18128	18160	21286	21222
75°	16733	16754	20736	20609
80°	14617	14711	20268	20110
85°	10944	11448	21071	20442



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	3.2
10°-20°	117.1	9.3
20°-30°	177.5	14.1
30°-40°	214.2	17.0
40°-50°	223.0	17.7
50°-60°	202.6	16.1
60°-70°	156.5	12.4
70°-80°	93.4	7.4
80°-90°	28.9	2.3
90°-100°	0.7	0.1
100°-110°	0.6	0.0
110°-120°	0.9	0.1
120°-130°	1.0	0.1
130°-140°	0.9	0.1
140°-150°	1.0	0.1
150°-160°	0.9	0.1
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	335.5	26.6
0°-40°	549.8	43.6
0°-60°	975.4	77.4
0°-90°	1254.1	99.5
90°-120°	2.2	0.2
90°-150°	5.1	0.4
90°-180°	7.0	0.6
0°-180°	1260.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	434	434	434	434	434	
5°	430	429	432	432	430	41
15°	412	412	418	418	412	116
25°	380	380	390	390	380	175
35°	336	336	349	349	336	210
45°	281	281	297	297	281	217
55°	218	218	236	236	218	194
65°	149	149	168	168	149	147
75°	79	79	98	97	79	83
85°	17	18	34	32	17	20
90°	1	0	7	6	1	1
95°	0	0	0	0	0	0
105°	1	1	1	0	1	1
115°	1	1	1	1	1	1
125°	1	1	1	1	1	1
135°	1	1	1	1	1	1
145°	1	2	2	2	1	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5
0.5°	433.4	432.8	431.0	433.2	432.5	432.4	432.8	433.1	433.3	432.6	433.4
1°	432.3	432.6	431.4	432.6	432.4	432.6	432.7	432.9	433.2	432.6	432.7
1.5°	432.6	432.1	432.8	432.3	431.9	432.0	432.7	432.9	432.9	433.2	433.3
2°	432.4	431.5	431.3	433.4	431.7	431.9	432.5	432.7	432.9	433.3	432.5
2.5°	432.1	431.6	431.8	432.3	431.4	431.7	432.1	432.6	432.8	432.9	432.9
3°	431.7	430.9	430.3	432.0	431.0	431.3	431.8	432.4	432.5	432.7	432.5
3.5°	431.3	430.2	429.2	431.2	430.5	430.8	431.6	432.2	433.1	432.2	432.4
4°	431.0	429.7	430.0	431.0	430.4	430.6	431.3	431.9	432.3	432.8	432.9
4.5°	430.6	429.0	429.5	429.2	429.7	430.1	430.9	431.7	432.7	432.0	432.3
5°	430.5	429.3	429.5	429.8	429.4	430.0	430.5	431.3	432.1	432.0	432.3
5.5°	429.9	428.7	428.2	428.6	428.7	429.3	430.0	430.9	432.3	431.6	432.2
6°	429.1	427.8	427.7	427.8	428.3	428.6	429.4	430.6	431.5	431.4	432.9
6.5°	428.5	427.5	427.3	426.3	427.6	428.1	429.1	430.2	430.7	431.4	431.3
7°	427.0	426.9	426.1	425.6	427.0	427.5	428.5	429.6	430.3	430.9	431.0
7.5°	426.3	426.1	425.4	425.5	426.4	427.0	428.2	429.1	430.0	430.6	430.2
8°	425.7	425.0	424.6	425.8	425.7	426.2	427.3	428.4	429.6	430.2	429.4
8.5°	425.0	424.3	424.1	424.3	424.9	425.6	426.9	427.7	428.9	429.4	429.4
9°	424.1	423.6	423.0	424.2	424.0	424.6	425.9	427.2	428.4	428.2	429.9
9.5°	423.1	422.7	422.4	422.2	423.1	423.8	425.4	426.5	427.7	427.5	429.3
10°	422.6	421.6	420.5	420.9	422.3	422.9	424.4	425.8	426.6	427.2	428.1
10.5°	421.7	420.9	419.5	420.8	421.5	422.0	423.7	424.9	425.7	426.4	426.7
11°	420.5	419.8	419.2	420.2	420.4	421.1	422.5	424.3	425.3	425.9	427.2
11.5°	419.6	418.5	417.5	419.3	419.5	420.3	421.8	423.4	424.8	425.3	426.6
12°	418.8	417.7	417.4	418.2	418.4	419.3	420.7	422.5	423.9	425.1	426.0
12.5°	417.3	416.8	415.8	417.0	417.4	418.4	420.0	421.5	423.3	424.4	423.6
13°	416.5	415.9	414.5	414.6	416.4	417.5	418.9	420.6	421.7	422.6	423.7
13.5°	415.4	414.5	413.1	413.5	415.3	416.3	417.9	419.4	421.2	422.1	422.9
14°	413.9	413.4	411.8	413.0	414.1	415.3	416.9	418.6	420.3	421.7	421.4
14.5°	413.0	412.3	410.5	411.5	413.0	414.0	415.8	417.6	418.7	419.8	420.6
15°	411.6	410.9	409.1	410.2	412.1	412.9	414.7	416.6	417.7	419.1	419.9
15.5°	410.6	409.7	409.3	408.7	410.4	411.7	413.6	415.4	416.7	418.7	418.4
16°	409.5	408.0	407.7	408.0	409.2	410.5	412.4	414.4	416.4	417.7	417.8
16.5°	408.2	406.4	405.7	406.7	407.8	409.1	411.2	413.1	415.0	415.8	416.1
17°	406.4	405.3	404.3	405.5	406.3	407.8	409.8	412.0	414.0	414.2	415.6
17.5°	405.5	404.1	403.5	403.8	404.8	406.4	408.5	410.6	412.4	413.4	413.8
18°	403.8	402.8	401.9	402.5	403.5	405.3	407.1	409.5	411.5	412.4	413.3
18.5°	402.1	400.6	400.5	400.7	401.9	403.6	405.8	407.9	410.0	410.9	411.9
19°	400.6	399.0	398.3	397.8	400.4	402.1	404.3	406.6	408.5	409.8	411.3
19.5°	399.1	397.5	395.7	396.8	399.0	400.5	402.9	405.2	407.1	409.0	409.6
20°	397.5	396.2	394.6	395.9	397.3	399.1	401.5	403.8	406.1	407.7	408.0
20.5°	396.0	394.7	393.1	393.9	395.6	397.7	400.0	402.4	404.7	405.9	406.8
21°	394.5	393.3	392.0	392.1	394.2	396.2	398.3	401.0	402.6	404.1	404.5



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	388.9	387.6	386.4	386.4	389.0	391.0	393.5	396.2	398.6	400.5	401.2
23°	387.4	386.4	384.2	384.9	387.2	389.3	391.8	394.6	396.5	398.6	400.5
23.5°	385.4	384.5	382.5	383.2	385.3	387.4	390.1	392.9	395.3	397.2	398.2
24°	383.5	382.1	381.4	381.0	383.6	385.8	388.4	391.2	393.7	395.7	396.2
24.5°	381.7	379.8	379.8	379.2	381.7	383.9	386.7	389.5	391.9	394.4	394.1
25°	380.0	378.0	377.9	377.1	379.9	382.1	384.8	387.7	390.2	392.3	392.5
25.5°	378.1	375.8	375.9	375.5	377.9	380.1	383.2	386.0	388.5	390.9	392.3
26°	376.0	374.0	373.4	373.3	376.0	378.3	381.3	384.2	386.0	389.1	389.8
26.5°	374.2	372.0	370.7	371.8	373.8	376.2	379.2	382.0	384.1	386.3	388.2
27°	371.8	370.1	368.4	369.7	372.0	374.4	377.4	380.4	383.3	384.7	386.5
27.5°	370.1	367.9	366.6	367.3	369.8	372.3	375.3	378.4	381.2	383.0	383.9
28°	367.8	365.8	364.8	365.3	367.8	370.3	373.3	376.5	379.2	381.7	382.1
28.5°	366.0	363.7	363.3	362.5	365.6	368.0	371.2	374.5	377.0	379.5	380.1
29°	363.8	361.5	361.1	360.6	363.5	366.1	369.3	372.3	374.7	377.6	378.6
29.5°	361.6	359.3	358.5	358.4	361.3	363.7	367.1	370.2	373.1	375.5	376.4
30°	359.3	357.1	355.8	356.5	359.1	361.6	365.0	368.2	371.3	373.6	374.4
30.5°	357.1	355.0	353.4	354.4	356.8	359.3	362.7	366.1	369.1	371.0	372.8
31°	354.8	352.6	351.3	352.1	354.6	357.0	360.5	364.0	367.0	369.1	370.6
31.5°	352.8	350.4	349.1	349.7	352.2	354.6	358.2	361.8	365.1	366.6	367.9
32°	350.1	348.1	347.2	347.5	350.0	352.5	356.2	359.7	363.0	364.9	365.6
32.5°	348.0	345.9	344.8	345.4	347.8	350.1	353.7	357.3	360.6	362.3	363.0
33°	345.7	343.5	341.8	343.2	345.4	347.9	351.6	355.1	358.4	360.7	361.7
33.5°	343.2	341.1	339.5	340.2	342.9	345.5	349.2	352.7	355.5	358.0	359.7
34°	340.8	338.6	337.3	337.7	340.4	343.2	346.8	350.5	353.9	356.3	357.7
34.5°	338.4	336.2	335.1	335.1	337.9	340.8	344.4	348.1	351.4	353.8	355.2
35°	336.1	333.6	332.7	332.9	335.5	338.2	341.9	345.9	348.9	351.1	352.4
35.5°	333.6	331.2	329.8	330.2	333.0	335.8	339.4	343.6	346.5	348.9	349.6
36°	331.0	328.5	327.1	327.7	330.5	333.4	337.0	341.1	344.3	346.8	348.0
36.5°	328.4	326.0	325.0	325.1	327.8	330.8	334.6	338.7	341.3	344.8	345.2
37°	325.8	323.1	322.4	322.3	325.3	328.3	332.0	336.1	338.8	342.5	343.1
37.5°	323.2	320.5	319.8	319.5	322.6	325.7	329.5	333.8	337.0	339.6	340.2
38°	320.6	318.2	316.8	317.2	320.1	323.1	326.6	331.0	334.7	337.3	338.3
38.5°	317.9	315.7	314.2	314.6	317.4	320.4	324.3	328.4	331.6	333.8	336.4
39°	315.2	312.8	311.5	312.1	314.9	317.8	321.6	326.2	329.0	331.9	334.3
39.5°	312.5	309.9	309.8	309.4	312.2	315.1	319.0	323.2	326.6	329.2	331.0
40°	309.8	307.3	306.2	306.6	309.4	312.6	316.4	320.6	324.4	326.4	328.0
40.5°	307.0	304.6	302.8	304.1	306.7	309.7	313.9	318.0	321.8	324.2	325.6
41°	304.3	301.9	300.9	301.5	304.0	307.2	311.2	315.3	319.1	321.7	322.8
41.5°	301.5	299.0	297.5	298.4	301.0	304.3	308.4	312.4	315.9	319.0	319.2
42°	298.7	296.1	294.6	295.2	298.2	301.5	305.6	310.0	313.3	316.5	317.4
42.5°	296.0	293.3	291.6	292.3	295.4	298.7	302.9	307.2	310.9	313.4	315.9
43°	293.1	290.3	288.6	289.6	292.5	295.8	300.1	304.8	308.2	311.1	312.7
43.5°	290.1	287.2	285.7	286.5	289.6	293.0	297.3	301.8	305.1	308.3	309.5



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	281.4	278.1	277.0	277.4	280.8	284.3	288.6	293.2	297.4	300.0	301.3
45.5°	278.4	275.0	274.0	274.4	278.0	281.3	285.8	290.4	294.5	297.1	298.4
46°	275.3	272.2	271.0	271.8	275.0	278.5	283.0	287.5	291.5	294.5	295.8
46.5°	272.3	269.4	268.1	268.7	271.9	275.4	280.0	284.7	288.8	291.5	292.5
47°	269.2	266.3	264.7	264.8	268.8	272.4	276.8	281.7	285.4	288.7	289.5
47.5°	265.9	263.2	261.5	261.6	265.8	269.3	273.8	278.6	282.6	285.8	286.3
48°	263.1	259.9	258.5	258.8	262.6	266.2	270.8	275.8	279.4	282.8	284.0
48.5°	259.8	257.0	255.2	255.5	259.5	263.3	267.8	272.9	276.6	279.7	281.2
49°	256.8	253.8	252.1	252.7	256.4	260.0	264.8	269.5	273.8	276.9	277.6
49.5°	253.6	250.8	249.1	249.5	253.4	257.0	261.6	266.4	270.5	273.6	274.5
50°	250.5	247.5	245.9	246.3	250.3	253.9	258.5	263.6	267.6	270.4	271.6
50.5°	247.4	244.0	242.5	243.1	247.1	250.9	255.2	260.3	264.1	267.0	268.7
51°	244.2	240.9	239.0	239.7	243.9	247.6	252.2	257.2	261.3	263.8	265.7
51.5°	240.8	237.7	235.7	236.5	240.7	244.5	249.1	254.0	258.1	261.3	262.3
52°	237.5	234.5	232.7	233.5	237.6	241.2	246.0	251.0	255.0	258.0	259.5
52.5°	234.3	231.1	229.7	230.1	234.2	238.0	242.7	247.7	252.0	255.0	256.4
53°	230.8	227.8	226.4	226.9	231.1	234.9	239.5	244.5	249.1	251.9	253.0
53.5°	227.6	224.4	222.9	223.4	227.7	231.6	236.3	241.4	245.6	248.6	250.2
54°	224.3	221.0	219.4	220.4	224.6	228.2	233.1	238.0	242.4	245.3	246.6
54.5°	221.0	217.8	216.4	217.3	221.1	225.0	229.8	234.9	239.4	242.8	243.6
55°	217.7	214.5	213.3	214.0	218.0	221.8	226.6	231.7	236.2	239.6	240.6
55.5°	214.3	211.1	210.1	210.5	214.5	218.5	223.1	228.4	232.7	236.1	236.7
56°	211.0	207.8	206.1	207.0	211.3	215.2	220.0	225.4	229.5	233.0	234.1
56.5°	207.6	204.5	203.2	203.6	207.8	211.9	216.7	221.7	226.1	230.0	230.6
57°	204.2	200.9	199.4	200.0	204.4	208.6	213.5	218.7	223.2	226.3	227.6
57.5°	200.8	197.3	196.0	196.5	201.1	205.1	209.9	215.5	219.9	222.7	224.4
58°	197.3	194.2	192.6	193.0	197.7	201.7	206.7	212.0	216.8	219.1	220.9
58.5°	194.0	190.8	189.1	189.4	194.2	198.2	203.3	208.6	212.8	216.4	217.7
59°	190.5	187.2	185.4	186.1	190.8	194.8	200.1	205.3	209.7	213.1	214.1
59.5°	187.1	183.8	181.9	182.7	187.1	191.3	196.5	202.0	206.5	209.7	210.8
60°	183.6	180.1	178.4	179.1	183.9	187.9	193.1	198.5	203.4	206.2	207.2
60.5°	180.1	176.7	175.1	175.7	180.3	184.6	189.6	194.9	199.6	202.6	204.1
61°	176.6	173.2	171.6	172.3	176.8	181.0	186.1	191.5	196.1	199.0	200.5
61.5°	173.2	169.8	168.2	168.9	173.3	177.5	182.8	188.3	192.6	195.5	197.1
62°	169.6	166.2	164.5	165.3	169.8	174.0	179.3	184.6	189.3	192.2	194.0
62.5°	166.0	162.7	161.1	161.8	166.2	170.4	175.7	181.3	185.9	188.8	190.2
63°	162.5	159.2	157.6	158.2	162.7	166.8	172.2	177.7	182.3	185.2	186.6
63.5°	159.1	155.6	154.1	154.6	159.1	163.4	168.7	174.2	178.9	181.8	183.5
64°	155.6	152.2	150.5	151.3	155.6	159.8	165.1	170.8	175.3	178.2	179.9
64.5°	152.2	148.7	146.9	147.6	152.0	156.2	161.6	167.0	171.7	175.0	176.1
65°	148.6	145.2	143.4	144.2	148.7	152.8	158.0	163.5	168.3	171.3	172.6
65.5°	145.0	141.6	139.9	140.6	145.1	149.4	154.5	159.9	164.5	167.7	169.1
66°	141.4	137.9	136.4	137.0	141.3	145.7	151.1	156.2	161.1	163.8	165.6





TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	130.9	127.5	125.7	126.3	130.7	135.1	140.3	145.7	150.4	153.6	154.7
68°	127.3	123.9	122.1	122.7	127.3	131.6	136.8	142.2	146.9	149.9	151.4
68.5°	123.9	120.5	118.7	119.4	123.8	128.0	133.3	138.5	143.3	146.6	147.6
69°	120.2	116.8	115.5	115.9	120.4	124.5	129.9	135.1	139.9	142.8	144.2
69.5°	116.7	113.5	111.8	112.5	116.8	121.1	126.3	131.6	136.3	139.6	140.9
70°	113.1	109.9	108.4	108.9	113.3	117.7	122.7	128.0	132.8	136.0	137.2
70.5°	109.8	106.3	104.9	105.3	109.9	114.2	119.2	124.6	129.1	132.3	133.4
71°	106.2	102.8	101.4	101.9	106.4	110.7	115.8	121.4	125.6	128.8	130.1
71.5°	103.0	99.5	97.8	98.4	103.0	107.2	112.3	117.6	122.1	125.3	126.6
72°	99.3	96.0	94.3	95.1	99.4	103.7	108.8	114.2	118.7	121.7	123.5
72.5°	95.9	92.6	90.8	91.6	96.0	100.2	105.3	110.7	115.2	118.5	119.6
73°	92.4	89.1	87.5	88.1	92.6	96.7	101.8	107.2	111.5	115.0	116.1
73.5°	89.1	85.9	84.2	84.8	89.2	93.3	98.5	103.7	108.0	111.3	112.7
74°	85.7	82.4	80.7	81.3	85.9	89.8	94.9	100.3	104.6	107.9	109.0
74.5°	82.4	79.0	77.3	78.0	82.5	86.5	91.7	97.0	101.2	104.4	105.5
75°	79.0	75.6	73.9	74.7	79.1	83.2	88.2	93.3	97.9	101.0	102.0
75.5°	75.6	72.2	70.5	71.2	75.6	79.9	84.8	89.9	94.3	97.4	98.8
76°	72.1	68.9	67.3	67.7	72.3	76.5	81.5	86.6	90.9	93.9	95.3
76.5°	68.8	65.4	63.9	64.5	68.9	73.1	78.1	83.2	87.5	90.4	91.5
77°	65.4	62.2	60.6	61.2	65.6	69.8	74.9	79.8	84.2	87.2	88.3
77.5°	62.2	58.9	57.4	58.0	62.5	66.7	71.5	76.5	80.9	83.9	85.1
78°	59.0	55.7	54.3	54.9	59.3	63.3	68.3	73.2	77.4	80.6	81.7
78.5°	55.8	52.7	51.1	51.7	56.1	60.1	64.9	69.9	74.2	77.1	78.4
79°	52.7	49.4	47.9	48.6	53.0	56.9	61.7	66.5	70.8	73.7	74.8
79.5°	49.5	46.3	44.7	45.4	49.8	53.8	58.5	63.3	67.6	70.4	71.6
80°	46.3	43.2	41.8	42.3	46.6	50.7	55.1	60.0	64.2	67.0	68.4
80.5°	43.2	40.2	38.8	39.3	43.6	47.5	52.1	56.9	61.0	63.8	64.8
81°	40.2	37.3	35.7	36.3	40.6	44.5	49.1	53.9	57.8	60.6	61.7
81.5°	37.1	34.2	32.6	33.3	37.7	41.4	46.0	50.6	54.6	57.4	58.6
82°	34.2	31.3	29.9	30.3	34.8	38.5	43.0	47.5	51.5	54.2	55.3
82.5°	31.1	28.3	27.0	27.4	31.8	35.5	39.8	44.6	48.5	51.2	52.3
83°	28.2	25.5	24.1	24.6	28.9	32.7	37.3	41.5	45.4	48.0	49.3
83.5°	25.5	22.7	21.5	21.9	26.1	29.8	34.1	38.5	42.4	44.9	46.2
84°	22.6	20.1	18.7	19.2	23.3	26.9	31.2	35.5	39.3	41.9	43.0
84.5°	20.0	17.5	16.1	16.6	20.9	24.2	28.5	32.7	36.4	39.0	40.2
85°	17.4	14.9	13.5	13.9	18.2	21.6	25.5	29.9	33.5	36.2	37.1
85.5°	14.8	12.4	11.2	11.4	15.6	19.0	22.8	27.0	30.7	33.3	34.1
86°	12.3	10.0	8.8	9.2	12.9	16.4	20.2	24.2	27.8	30.4	31.2
86.5°	10.0	7.7	6.5	6.7	10.5	13.6	17.6	21.6	25.0	27.5	28.5
87°	7.8	5.6	4.3	4.6	8.1	11.2	15.0	19.0	22.3	24.8	25.7
87.5°	5.7	3.1	2.2	2.4	5.8	8.8	12.5	16.4	19.8	22.0	22.9
88°	3.1	1.3	0.7	1.0	3.5	6.5	10.0	13.8	17.2	19.6	20.5
88.5°	1.3	0.7	0.5	0.6	1.5	4.2	7.6	11.2	14.5	16.9	17.8



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.6	0.5	0.4	0.5	0.4	0.4	0.9	4.3	7.3	9.4	10.2
90.5°	0.6	0.5	0.4	0.5	0.3	0.4	0.4	1.9	4.9	6.9	7.7
91°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	2.5	4.6	5.5
91.5°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.7	2.2	3.1
92°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.6	0.8
92.5°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.4
93°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.3
93.5°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.3
94°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.4
94.5°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.4
95°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.4
95.5°	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.4
96°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.3	0.4
96.5°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97.5°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
98°	0.5	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
98.5°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
99°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
99.5°	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
100°	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
100.5°	0.5	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.4	0.4	0.4
101°	0.5	0.5	0.4	0.5	0.5	0.4	0.6	0.5	0.5	0.4	0.4
101.5°	0.5	0.6	0.4	0.5	0.4	0.6	0.5	0.5	0.5	0.4	0.4
102°	0.5	0.5	0.4	0.5	0.4	0.6	0.5	0.5	0.5	0.4	0.4
102.5°	0.5	0.5	0.4	0.5	0.4	0.5	0.6	0.6	0.5	0.4	0.4
103°	0.5	0.5	0.4	0.5	0.4	0.5	0.6	0.6	0.6	0.4	0.6
103.5°	0.6	0.5	0.4	0.5	0.5	0.6	0.6	0.5	0.6	0.5	0.5
104°	0.6	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5
104.5°	0.6	0.5	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
105°	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
105.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5
106°	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
106.5°	0.6	0.5	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5
107°	0.6	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.6	0.5	0.5
107.5°	0.6	0.8	0.8	0.9	0.6	0.6	0.7	0.6	0.7	0.5	0.6
108°	0.8	0.8	0.8	0.9	0.6	0.7	0.7	0.6	0.7	0.5	0.6
108.5°	0.8	0.8	0.8	1.0	0.6	0.7	0.7	0.6	0.6	0.5	0.6
109°	0.8	0.8	0.8	1.1	0.6	0.7	0.7	0.6	0.7	0.5	0.5
109.5°	0.8	1.0	0.8	1.1	0.7	0.7	0.7	0.6	0.7	0.5	0.5
110°	0.8	1.0	0.8	1.1	0.7	0.7	0.8	0.7	0.7	0.5	0.6
110.5°	0.8	0.9	0.8	1.1	0.6	0.7	0.8	0.7	0.7	0.5	0.6
111°	0.8	1.0	0.8	1.1	0.6	0.7	0.8	0.7	0.7	0.5	0.6



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	1.0	1.0	0.8	1.1	0.6	0.8	0.8	0.8	0.8	0.7	0.6
113°	1.0	1.0	1.0	1.2	0.8	0.8	0.8	0.8	0.8	0.7	0.6
113.5°	0.9	1.1	1.0	1.2	0.8	0.8	0.8	0.8	0.8	0.7	0.8
114°	0.9	1.1	1.0	1.2	0.7	0.8	1.0	0.8	0.8	0.7	0.8
114.5°	0.9	1.0	1.0	1.1	0.7	0.8	1.0	0.8	0.8	0.7	0.8
115°	0.9	1.0	1.0	1.1	0.8	0.8	0.9	0.8	0.9	0.8	0.9
115.5°	0.9	1.0	1.0	1.1	0.8	0.8	0.9	0.8	0.9	0.8	0.9
116°	0.9	1.0	1.0	1.1	0.8	0.9	0.9	0.8	0.9	0.9	0.9
116.5°	1.0	1.0	1.0	1.1	0.8	0.9	0.9	0.8	1.0	0.8	0.9
117°	1.0	1.0	1.0	1.1	0.9	0.9	0.9	0.8	1.0	0.8	0.9
117.5°	1.0	1.0	1.0	1.1	0.8	0.9	0.9	0.8	0.8	0.8	0.9
118°	1.0	1.0	1.0	1.1	0.8	1.0	1.0	0.9	0.9	0.8	1.0
118.5°	1.1	1.0	1.0	1.1	1.0	1.0	1.0	0.9	0.9	0.9	1.0
119°	1.1	1.0	1.0	1.1	0.9	1.0	1.0	0.9	0.9	0.8	1.0
119.5°	1.0	1.0	1.0	1.1	0.9	1.0	1.0	0.9	1.0	0.8	1.0
120°	1.0	1.0	1.0	1.1	0.9	1.0	1.1	0.9	1.0	0.9	1.0
120.5°	1.0	1.0	1.0	1.1	0.9	1.0	1.1	0.9	1.0	0.9	1.0
121°	1.0	1.0	1.0	1.1	0.9	1.0	1.1	1.0	1.0	0.9	1.0
121.5°	1.0	1.0	1.0	1.1	0.9	1.0	1.1	1.0	1.0	0.9	1.0
122°	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.0	1.1	1.0	1.1
122.5°	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.0	1.1	0.9	1.1
123°	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.0	1.1	0.9	1.1
123.5°	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.0	1.1	1.0	1.1
124°	1.0	1.0	1.0	1.1	1.1	1.0	1.2	1.0	1.1	1.0	1.1
124.5°	1.0	1.0	1.0	1.1	1.1	1.0	1.2	1.1	1.1	0.9	1.1
125°	1.0	1.0	1.0	1.1	1.0	1.0	1.2	1.1	1.1	0.9	1.1
125.5°	1.0	1.0	1.0	1.1	1.2	1.0	1.2	1.1	1.1	0.9	1.2
126°	1.0	1.0	1.0	1.1	1.2	1.0	1.3	1.1	1.1	0.9	1.2
126.5°	1.0	1.0	1.0	1.1	1.1	1.0	1.3	1.1	1.1	0.9	1.1
127°	1.0	1.0	1.0	1.1	1.1	1.0	1.3	1.1	1.1	0.9	1.1
127.5°	1.0	1.0	1.0	1.1	1.1	1.0	1.3	1.1	1.2	1.0	1.1
128°	1.0	1.0	1.0	1.1	1.2	1.0	1.3	1.1	1.2	1.0	1.1
128.5°	1.0	1.0	1.0	1.1	1.2	1.1	1.3	1.1	1.2	1.0	1.2
129°	1.0	1.0	1.0	1.1	1.2	1.1	1.3	1.1	1.2	1.0	1.2
129.5°	1.0	1.0	1.0	1.1	1.2	1.1	1.3	1.1	1.3	1.0	1.2
130°	1.0	1.0	1.0	1.1	1.2	1.1	1.3	1.2	1.3	1.0	1.3
130.5°	1.0	1.0	1.0	1.1	1.2	1.1	1.3	1.2	1.2	1.1	1.3
131°	1.0	1.0	1.0	1.1	1.2	1.1	1.3	1.2	1.2	1.1	1.2
131.5°	1.0	1.0	1.0	1.1	1.2	1.1	1.3	1.2	1.2	1.1	1.2
132°	1.0	1.0	1.0	1.1	1.3	1.1	1.3	1.1	1.2	1.2	1.3
132.5°	1.1	1.0	1.0	1.1	1.3	1.1	1.3	1.2	1.3	1.3	1.3
133°	1.1	1.0	1.0	1.1	1.3	1.1	1.3	1.2	1.3	1.2	1.3
133.5°	1.1	1.0	1.0	1.1	1.3	1.1	1.3	1.3	1.3	1.2	1.3



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.1	1.1	1.0	1.1	1.3	1.1	1.3	1.3	1.3	1.3	1.3
135.5°	1.1	1.1	1.0	1.1	1.3	1.2	1.3	1.3	1.3	1.3	1.3
136°	1.1	1.1	1.1	1.1	1.3	1.2	1.4	1.3	1.3	1.3	1.3
136.5°	1.1	1.1	1.1	1.1	1.3	1.2	1.3	1.3	1.3	1.3	1.3
137°	1.1	1.2	1.1	1.1	1.4	1.2	1.3	1.3	1.3	1.3	1.3
137.5°	1.1	1.2	1.1	1.1	1.3	1.2	1.3	1.3	1.3	1.3	1.3
138°	1.1	1.2	1.2	1.1	1.4	1.3	1.4	1.3	1.4	1.3	1.4
138.5°	1.1	1.3	1.2	1.1	1.4	1.3	1.4	1.3	1.4	1.3	1.4
139°	1.1	1.3	1.2	1.1	1.4	1.3	1.3	1.3	1.4	1.3	1.4
139.5°	1.1	1.2	1.1	1.1	1.5	1.4	1.5	1.3	1.5	1.3	1.3
140°	1.1	1.3	1.2	1.1	1.5	1.4	1.5	1.4	1.5	1.4	1.5
140.5°	1.2	1.3	1.2	1.1	1.5	1.3	1.5	1.4	1.5	1.3	1.5
141°	1.2	1.4	1.2	1.2	1.5	1.3	1.5	1.4	1.5	1.3	1.5
141.5°	1.2	1.4	1.3	1.2	1.5	1.4	1.5	1.4	1.5	1.3	1.5
142°	1.2	1.6	1.3	1.2	1.5	1.4	1.5	1.4	1.6	1.4	1.5
142.5°	1.2	1.6	1.2	1.3	1.5	1.4	1.5	1.4	1.6	1.3	1.5
143°	1.3	1.7	1.3	1.3	1.5	1.4	1.5	1.5	1.5	1.3	1.5
143.5°	1.3	1.8	1.3	1.3	1.5	1.4	1.6	1.5	1.5	1.4	1.5
144°	1.3	1.8	1.4	1.3	1.5	1.4	1.6	1.5	1.5	1.5	1.5
144.5°	1.3	1.8	1.4	1.4	1.7	1.4	1.5	1.5	1.5	1.6	1.6
145°	1.3	1.9	1.5	1.4	1.7	1.5	1.5	1.6	1.7	1.6	1.5
145.5°	1.3	1.9	1.6	1.5	1.7	1.5	1.5	1.6	1.6	1.5	1.7
146°	1.5	1.9	1.7	1.6	1.7	1.5	1.6	1.5	1.6	1.5	1.7
146.5°	1.5	2.0	1.8	1.8	1.7	1.5	1.6	1.5	1.7	1.5	1.6
147°	1.6	2.0	1.9	1.9	1.7	1.5	1.6	1.7	1.7	1.7	1.7
147.5°	1.7	1.9	1.9	1.9	1.7	1.5	1.7	1.7	1.7	1.7	1.7
148°	1.8	1.9	1.9	1.9	1.9	1.7	1.7	1.6	1.8	1.7	1.7
148.5°	1.8	1.9	1.9	2.0	1.8	1.7	1.7	1.6	1.8	1.7	1.7
149°	1.9	1.9	1.9	2.0	1.8	1.7	1.7	1.6	1.8	1.8	1.7
149.5°	1.9	1.9	1.9	2.0	1.8	1.7	1.7	1.6	1.8	1.8	1.8
150°	1.9	1.9	1.9	2.0	1.8	1.7	1.7	1.7	1.8	1.8	1.8
150.5°	1.9	1.9	2.0	2.0	1.8	1.7	1.7	1.8	1.9	1.8	1.8
151°	1.9	1.9	2.0	2.0	1.8	1.8	1.8	1.9	1.9	1.8	1.9
151.5°	1.9	1.9	1.9	2.0	1.8	1.8	1.7	1.9	1.9	1.8	1.9
152°	1.9	1.9	1.9	2.0	1.9	1.8	1.7	1.8	2.0	2.0	1.9
152.5°	1.9	1.9	1.9	2.0	1.9	1.8	1.9	1.9	1.9	2.0	1.9
153°	1.9	1.9	1.9	2.0	1.9	1.8	1.9	1.9	2.0	1.9	1.9
153.5°	1.9	1.9	1.9	2.0	2.0	1.8	1.9	2.0	2.0	2.0	1.9
154°	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.0	2.1	2.0	1.9
154.5°	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.0	2.1	2.0	2.0
155°	1.9	1.9	1.9	2.0	2.0	1.9	1.9	2.1	2.1	2.1	2.0
155.5°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.0
156°	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.1	2.1



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.4	2.2	2.0
158°	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.4	2.4	2.2	2.0
158.5°	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.4	2.4	2.2	2.0
159°	2.0	2.0	2.0	2.2	2.1	2.2	2.2	2.4	2.4	2.2	2.0
159.5°	2.1	2.0	2.0	2.1	2.1	2.3	2.3	2.4	2.4	2.2	2.0
160°	2.1	2.2	2.2	2.1	2.1	2.3	2.3	2.4	2.4	2.2	2.0
160.5°	2.1	2.1	2.2	2.2	2.1	2.3	2.3	2.4	2.4	2.2	2.0
161°	2.0	2.1	2.2	2.2	2.1	2.4	2.3	2.4	2.5	2.2	2.0
161.5°	2.0	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.6	2.2	2.0
162°	2.0	2.2	2.2	2.2	2.1	2.3	2.4	2.4	2.6	2.2	2.0
162.5°	2.0	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.9	2.2	2.0
163°	2.0	2.3	2.2	2.2	2.2	2.3	2.4	2.4	2.4	2.2	2.1
163.5°	2.0	2.3	2.2	2.2	2.2	2.3	2.4	2.4	2.4	2.2	2.0
164°	2.0	2.4	2.3	2.2	2.2	2.3	2.5	2.4	2.5	2.2	2.1
164.5°	2.1	2.4	2.3	2.2	2.2	2.3	2.9	2.4	2.5	2.2	2.7
165°	2.1	2.3	2.2	2.2	2.2	2.3	2.4	2.4	2.4	2.2	2.4
165.5°	2.1	2.3	2.2	2.2	2.2	2.3	2.5	2.4	2.4	2.2	2.4
166°	2.1	2.4	2.2	2.2	2.2	2.3	2.5	2.5	2.4	2.2	2.3
166.5°	2.1	2.4	2.2	2.2	2.2	2.3	2.5	2.5	2.4	2.2	2.3
167°	2.1	2.4	2.2	2.2	2.3	2.3	2.6	2.4	2.4	2.2	2.3
167.5°	2.2	2.5	2.2	2.2	2.2	2.3	2.6	2.6	2.4	2.2	2.3
168°	2.2	2.6	2.2	2.2	2.2	2.3	2.5	2.6	2.4	2.2	2.3
168.5°	2.2	2.6	2.2	2.2	2.4	2.3	2.5	2.6	2.4	2.2	2.3
169°	2.2	2.6	2.2	2.2	2.3	2.3	2.6	2.6	2.4	2.2	2.3
169.5°	2.2	2.6	2.2	2.2	2.3	2.3	2.6	2.6	2.4	2.2	2.3
170°	2.2	2.6	2.2	2.2	2.3	2.3	2.6	2.8	2.4	2.2	2.3
170.5°	2.2	2.6	2.2	2.2	2.3	2.3	2.6	2.8	2.4	2.2	2.3
171°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
171.5°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
172°	2.2	2.6	2.2	2.2	2.5	2.3	2.6	2.8	2.4	2.2	2.3
172.5°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
173°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
173.5°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
174°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.9	2.4	2.2	2.3
174.5°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.9	2.4	2.2	2.3
175°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
175.5°	2.2	2.6	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
176°	2.2	2.4	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
176.5°	2.2	2.4	2.2	2.2	2.4	2.3	2.6	2.8	2.4	2.2	2.3
177°	2.2	2.3	2.2	2.2	2.5	2.3	2.6	2.8	2.4	2.2	2.3
177.5°	2.2	2.3	2.2	2.2	2.5	2.3	2.6	2.9	2.4	2.2	2.3
178°	2.2	2.4	2.2	2.2	2.6	2.3	2.6	2.8	2.4	2.2	2.3
178.5°	2.2	2.3	2.2	2.2	2.8	2.3	2.7	2.8	2.4	2.2	2.3



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	433.5	433.5	433.5	433.5	433.5	433.5
0.5°	433.9	432.9	432.6	432.8	432.8	433.4
1°	434.5	433.0	432.6	432.7	432.7	432.3
1.5°	432.6	433.1	432.7	432.6	432.7	432.6
2°	433.9	433.0	432.5	432.4	432.4	432.4
2.5°	433.1	433.1	432.4	432.3	432.0	432.1
3°	432.0	432.8	432.3	432.2	432.0	431.7
3.5°	433.4	432.8	432.1	431.7	431.8	431.3
4°	432.7	432.4	431.8	431.6	431.4	431.0
4.5°	431.2	432.3	431.4	431.3	430.9	430.6
5°	431.1	431.9	431.2	431.1	430.4	430.5
5.5°	432.1	431.8	430.8	430.6	430.0	429.9
6°	432.5	431.3	430.5	430.1	429.2	429.1
6.5°	430.0	431.1	430.0	429.5	428.8	428.5
7°	432.2	430.6	429.6	428.8	428.1	427.0
7.5°	432.5	430.1	429.0	428.1	427.7	426.3
8°	429.9	429.6	428.6	427.6	426.8	425.7
8.5°	429.6	429.1	428.0	427.1	426.3	425.0
9°	429.9	428.5	427.4	426.2	425.2	424.1
9.5°	428.9	427.9	426.7	425.6	424.6	423.1
10°	427.5	427.1	426.2	424.8	423.6	422.6
10.5°	427.0	426.5	425.0	424.2	423.1	421.7
11°	428.1	425.8	424.5	423.2	421.9	420.5
11.5°	426.4	425.1	423.5	422.4	421.0	419.6
12°	425.1	424.4	422.7	421.4	420.0	418.8
12.5°	424.9	423.4	421.8	420.5	419.1	417.3
13°	423.0	422.5	420.8	419.6	417.9	416.5
13.5°	422.6	421.7	419.6	418.5	416.9	415.4
14°	422.1	420.6	418.7	417.5	415.7	413.9
14.5°	422.0	419.6	417.7	416.7	414.8	413.0
15°	420.3	418.5	416.8	415.5	413.7	411.6
15.5°	418.5	417.4	415.7	414.2	412.4	410.6
16°	417.4	416.3	414.6	412.8	411.0	409.5
16.5°	416.8	415.3	413.4	411.8	409.7	408.2
17°	416.0	413.9	412.3	410.4	408.4	406.4
17.5°	415.1	412.9	411.0	409.1	407.1	405.5
18°	413.4	411.5	409.8	407.8	405.6	403.8
18.5°	412.0	410.4	408.2	406.4	404.3	402.1
19°	410.6	408.8	406.8	405.0	402.7	400.6
19.5°	409.4	407.8	405.5	403.6	401.3	399.1
20°	407.8	406.2	404.1	401.9	399.7	397.5
20.5°	407.0	405.0	402.4	400.3	398.0	396.0
21°	405.6	403.2	401.1	398.6	396.7	394.5



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	400.8	398.9	396.4	394.0	391.3	388.9
23°	399.5	397.0	394.9	392.4	389.5	387.4
23.5°	398.0	395.6	393.1	390.6	388.0	385.4
24°	397.2	393.9	391.6	388.9	386.2	383.5
24.5°	394.7	392.1	389.7	387.3	384.5	381.7
25°	392.8	390.3	388.0	385.5	382.5	380.0
25.5°	391.6	388.7	386.0	383.6	380.8	378.1
26°	390.0	386.8	384.5	381.6	378.7	376.0
26.5°	387.9	385.2	382.6	379.9	376.9	374.2
27°	385.9	383.2	380.8	377.7	374.9	371.8
27.5°	383.2	381.4	378.7	375.8	372.7	370.1
28°	380.9	379.4	376.8	373.8	370.6	367.8
28.5°	379.2	377.5	374.9	371.9	368.7	366.0
29°	378.1	375.5	372.8	369.7	366.6	363.8
29.5°	376.6	373.7	370.8	367.8	364.5	361.6
30°	375.2	371.4	368.9	365.5	362.3	359.3
30.5°	372.2	369.4	366.7	363.5	360.1	357.1
31°	370.2	367.1	364.6	361.1	358.0	354.8
31.5°	368.2	365.1	362.4	359.2	355.7	352.8
32°	365.1	362.8	360.1	356.8	353.4	350.1
32.5°	364.2	360.8	357.8	354.7	351.0	348.0
33°	361.7	358.4	355.7	352.2	348.8	345.7
33.5°	359.0	356.3	353.3	350.0	346.7	343.2
34°	357.0	353.9	351.2	347.7	344.3	340.8
34.5°	354.7	351.7	348.9	345.4	341.7	338.4
35°	352.5	349.4	346.5	342.9	339.4	336.1
35.5°	350.5	347.3	344.1	340.6	336.9	333.6
36°	348.6	344.8	341.8	338.2	334.3	331.0
36.5°	346.0	342.4	339.3	335.6	331.8	328.4
37°	342.8	339.9	336.8	333.0	329.3	325.8
37.5°	340.6	337.5	334.3	330.6	326.7	323.2
38°	337.8	334.8	331.9	328.0	324.0	320.6
38.5°	335.6	332.5	329.1	325.5	321.5	317.9
39°	332.5	329.8	326.6	322.9	318.9	315.2
39.5°	329.5	327.4	324.1	320.3	316.1	312.5
40°	327.6	324.6	321.5	317.6	313.6	309.8
40.5°	325.0	322.1	318.9	314.9	310.8	307.0
41°	321.6	319.5	316.2	312.3	308.2	304.3
41.5°	319.7	316.9	313.4	309.5	305.2	301.5
42°	317.1	314.0	310.8	306.7	302.5	298.7
42.5°	314.9	311.4	307.9	303.9	299.7	296.0
43°	312.2	308.5	305.2	301.1	296.8	293.1
43.5°	309.0	305.7	302.2	298.2	293.9	290.1





TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	300.6	297.2	293.7	289.8	285.3	281.4
45.5°	297.7	294.4	290.8	286.9	282.5	278.4
46°	294.6	291.5	287.8	283.8	279.4	275.3
46.5°	291.5	288.5	284.9	280.8	276.4	272.3
47°	289.0	285.6	282.2	277.8	273.5	269.2
47.5°	286.3	282.6	279.1	274.7	270.4	265.9
48°	283.8	279.6	276.1	271.6	267.3	263.1
48.5°	280.6	276.7	273.1	268.6	264.1	259.8
49°	277.5	273.6	270.0	265.4	261.0	256.8
49.5°	274.5	270.5	267.0	262.4	257.9	253.6
50°	271.7	267.3	263.9	259.2	254.8	250.5
50.5°	268.4	264.3	260.7	256.1	251.6	247.4
51°	265.1	261.1	257.5	252.9	248.3	244.2
51.5°	261.9	258.0	254.4	249.9	245.2	240.8
52°	258.8	254.9	251.3	246.7	241.9	237.5
52.5°	255.6	251.7	248.0	243.4	238.6	234.3
53°	252.7	248.5	244.8	240.2	235.4	230.8
53.5°	249.7	245.2	241.3	236.9	232.1	227.6
54°	246.3	242.0	238.2	233.7	228.7	224.3
54.5°	243.0	238.8	234.9	230.4	225.4	221.0
55°	240.2	235.6	231.8	227.0	222.2	217.7
55.5°	237.1	232.3	228.4	223.6	218.8	214.3
56°	233.7	229.0	225.1	220.3	215.5	211.0
56.5°	230.2	225.6	221.7	217.1	212.2	207.6
57°	226.7	222.3	218.6	213.7	208.8	204.2
57.5°	223.5	219.1	215.0	210.4	205.4	200.8
58°	220.0	215.7	212.0	207.1	202.0	197.3
58.5°	216.6	212.7	208.4	203.7	198.6	194.0
59°	213.2	209.1	205.1	200.2	195.2	190.5
59.5°	210.2	205.8	201.7	196.8	191.6	187.1
60°	206.9	202.2	198.3	193.3	188.3	183.6
60.5°	203.4	198.9	194.9	189.8	184.8	180.1
61°	200.0	195.4	191.4	186.6	181.4	176.6
61.5°	196.7	192.2	188.0	183.1	177.9	173.2
62°	193.3	188.5	184.5	179.5	174.4	169.6
62.5°	189.7	185.2	181.0	176.0	170.7	166.0
63°	186.0	181.6	177.6	172.5	167.4	162.5
63.5°	182.2	178.2	174.1	169.1	163.9	159.1
64°	178.9	174.8	170.6	165.6	160.3	155.6
64.5°	175.2	171.2	167.0	162.2	156.9	152.2
65°	171.7	167.6	163.5	158.5	153.5	148.6
65.5°	168.3	164.1	160.0	155.0	149.9	145.0
66°	164.7	160.5	156.4	151.5	146.3	141.4



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	154.0	150.1	146.1	141.0	135.8	130.9
68°	150.8	146.5	142.3	137.4	132.2	127.3
68.5°	147.2	143.0	138.8	133.9	128.6	123.9
69°	143.9	139.4	135.5	130.3	125.1	120.2
69.5°	140.1	135.8	131.8	126.7	121.6	116.7
70°	136.4	132.4	128.3	123.3	118.1	113.1
70.5°	133.4	128.9	124.8	119.8	114.7	109.8
71°	129.8	125.2	121.2	116.3	111.1	106.2
71.5°	125.9	121.8	117.9	112.8	107.7	103.0
72°	121.9	118.3	114.5	109.3	104.2	99.3
72.5°	118.7	114.7	110.8	105.9	100.6	95.9
73°	115.4	111.3	107.4	102.3	97.2	92.4
73.5°	112.1	107.9	103.8	98.8	93.6	89.1
74°	108.3	104.4	100.4	95.5	90.3	85.7
74.5°	104.7	100.9	97.0	92.1	87.0	82.4
75°	101.4	97.3	93.6	88.6	83.6	79.0
75.5°	98.0	94.0	90.1	85.3	80.3	75.6
76°	94.2	90.5	86.9	81.9	76.8	72.1
76.5°	90.9	87.3	83.5	78.6	73.4	68.8
77°	87.5	83.9	80.0	75.1	70.0	65.4
77.5°	84.4	80.5	76.6	71.7	66.7	62.2
78°	81.0	77.1	73.3	68.5	63.4	59.0
78.5°	77.5	73.7	69.9	65.1	60.2	55.8
79°	74.2	70.4	66.5	61.9	56.9	52.7
79.5°	70.9	67.0	63.4	58.7	53.7	49.5
80°	67.6	63.7	59.8	55.5	50.6	46.3
80.5°	64.4	60.3	56.8	52.3	47.5	43.2
81°	61.3	57.2	53.9	49.2	44.4	40.2
81.5°	57.8	54.3	50.7	46.1	41.4	37.1
82°	54.6	51.0	47.5	43.0	38.4	34.2
82.5°	51.6	47.9	44.1	39.9	35.3	31.1
83°	48.5	44.7	41.6	37.0	32.3	28.2
83.5°	45.5	41.6	37.9	33.9	29.2	25.5
84°	42.4	38.5	35.3	30.9	26.5	22.6
84.5°	39.4	35.5	32.3	27.9	23.6	20.0
85°	36.5	32.5	29.3	25.0	21.1	17.4
85.5°	33.6	29.7	26.4	22.3	18.3	14.8
86°	30.8	26.7	23.7	19.6	15.7	12.3
86.5°	27.9	23.8	20.8	17.1	13.0	10.0
87°	25.0	21.2	18.2	14.3	10.6	7.8
87.5°	22.3	18.5	15.4	11.8	8.4	5.7
88°	19.9	15.9	12.8	9.5	6.3	3.1
88.5°	17.2	13.3	10.5	7.1	3.9	1.3



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	9.5	5.9	3.0	0.9	0.6	0.6
90.5°	7.1	3.5	1.5	0.6	0.6	0.6
91°	4.8	1.6	0.6	0.6	0.6	0.5
91.5°	2.5	0.5	0.6	0.6	0.6	0.5
92°	0.6	0.5	0.3	0.6	0.5	0.5
92.5°	0.4	0.5	0.3	0.5	0.5	0.5
93°	0.4	0.5	0.4	0.5	0.5	0.5
93.5°	0.4	0.5	0.4	0.5	0.5	0.5
94°	0.4	0.4	0.4	0.5	0.5	0.5
94.5°	0.4	0.4	0.4	0.5	0.5	0.5
95°	0.4	0.4	0.4	0.5	0.5	0.5
95.5°	0.4	0.4	0.4	0.5	0.5	0.5
96°	0.4	0.4	0.4	0.5	0.5	0.5
96.5°	0.4	0.4	0.3	0.5	0.5	0.5
97°	0.4	0.4	0.4	0.5	0.5	0.5
97.5°	0.4	0.4	0.6	0.5	0.5	0.5
98°	0.4	0.4	0.3	0.5	0.5	0.5
98.5°	0.4	0.4	0.4	0.5	0.5	0.5
99°	0.5	0.4	0.6	0.5	0.5	0.5
99.5°	0.4	0.4	0.7	0.5	0.5	0.5
100°	0.4	0.4	0.6	0.5	0.5	0.5
100.5°	0.4	0.4	0.6	0.5	0.5	0.5
101°	0.4	0.4	0.6	0.5	0.5	0.5
101.5°	0.4	0.4	0.6	0.5	0.5	0.5
102°	0.4	0.4	0.6	0.5	0.5	0.5
102.5°	0.5	0.4	0.6	0.5	0.5	0.5
103°	0.5	0.4	0.7	0.5	0.5	0.5
103.5°	0.5	0.4	0.7	0.5	0.5	0.6
104°	0.5	0.4	0.1	0.5	0.5	0.6
104.5°	0.6	0.4	0.4	0.5	0.5	0.6
105°	0.6	0.4	0.4	0.5	0.5	0.6
105.5°	0.6	0.4	0.4	0.5	0.5	0.6
106°	0.6	0.4	0.8	0.6	0.5	0.6
106.5°	0.6	0.4	0.4	0.6	0.5	0.6
107°	0.6	0.4	0.5	0.6	0.6	0.6
107.5°	0.6	0.4	0.6	0.8	0.6	0.6
108°	0.6	0.4	0.9	0.9	0.6	0.8
108.5°	0.6	0.4	0.8	0.9	0.8	0.8
109°	0.7	0.5	0.8	1.0	1.0	0.8
109.5°	0.7	0.4	0.8	1.0	1.0	0.8
110°	0.6	0.4	0.8	1.1	1.0	0.8
110.5°	0.7	0.6	0.8	1.1	1.1	0.8
111°	0.6	0.7	0.8	1.1	1.1	0.8



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.8	0.7	0.8	1.1	1.1	1.0
113°	0.8	0.7	1.0	1.1	1.1	1.0
113.5°	0.8	0.7	1.0	1.1	1.1	0.9
114°	0.8	0.7	1.0	1.1	1.1	0.9
114.5°	0.8	0.7	1.0	1.1	1.1	0.9
115°	0.8	0.8	1.0	1.1	1.1	0.9
115.5°	0.9	0.8	1.0	1.1	1.1	0.9
116°	0.8	0.9	1.0	1.1	1.1	0.9
116.5°	0.8	0.9	1.0	1.1	1.1	1.0
117°	1.0	0.9	1.0	1.1	1.1	1.0
117.5°	0.9	0.9	1.0	1.1	1.1	1.0
118°	1.0	0.9	1.0	1.1	1.1	1.0
118.5°	1.0	0.9	1.0	1.1	1.1	1.1
119°	1.0	0.9	1.1	1.1	1.1	1.1
119.5°	1.0	0.9	1.1	1.1	1.1	1.0
120°	1.0	0.9	1.0	1.1	1.1	1.0
120.5°	1.0	0.9	1.0	1.1	1.1	1.0
121°	1.1	0.9	1.0	1.1	1.1	1.0
121.5°	1.1	0.9	1.0	1.1	1.1	1.0
122°	1.0	0.9	1.0	1.1	1.1	1.0
122.5°	1.1	0.9	1.0	1.1	1.1	1.0
123°	1.1	1.0	1.0	1.1	1.1	1.0
123.5°	1.1	1.0	1.0	1.1	1.1	1.0
124°	1.1	1.0	1.0	1.1	1.1	1.0
124.5°	1.1	1.0	1.0	1.1	1.1	1.0
125°	1.1	1.0	1.0	1.1	1.1	1.0
125.5°	1.1	1.1	1.0	1.1	1.1	1.0
126°	1.1	1.1	1.1	1.1	1.1	1.0
126.5°	1.1	1.1	1.1	1.1	1.1	1.0
127°	1.1	1.0	1.3	1.1	1.1	1.0
127.5°	1.1	1.0	1.3	1.1	1.1	1.0
128°	1.1	1.0	1.3	1.1	1.1	1.0
128.5°	1.1	1.0	1.3	1.1	1.1	1.0
129°	1.1	1.0	1.3	1.1	1.1	1.0
129.5°	1.2	1.0	1.3	1.1	1.1	1.0
130°	1.2	1.1	1.3	1.1	1.1	1.0
130.5°	1.2	1.1	1.3	1.1	1.1	1.0
131°	1.2	1.2	1.3	1.1	1.1	1.0
131.5°	1.3	1.3	1.3	1.1	1.1	1.0
132°	1.2	1.2	1.3	1.1	1.1	1.0
132.5°	1.2	1.2	1.2	1.1	1.1	1.1
133°	1.3	1.2	1.2	1.1	1.1	1.1
133.5°	1.3	1.2	1.2	1.1	1.1	1.1



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	1.3	1.2	1.2	1.1	1.1	1.1
135.5°	1.4	1.2	1.2	1.1	1.1	1.1
136°	1.4	1.2	1.2	1.1	1.1	1.1
136.5°	1.4	1.3	1.2	1.1	1.1	1.1
137°	1.5	1.4	1.2	1.2	1.1	1.1
137.5°	1.5	1.4	1.2	1.2	1.1	1.1
138°	1.4	1.5	1.2	1.1	1.1	1.1
138.5°	1.4	1.5	1.2	1.1	1.1	1.1
139°	1.4	1.5	1.2	1.1	1.1	1.1
139.5°	1.5	1.5	1.2	1.1	1.1	1.1
140°	1.5	1.5	1.2	1.1	1.1	1.1
140.5°	1.4	1.5	1.2	1.1	1.3	1.2
141°	1.5	1.5	1.2	1.1	1.2	1.2
141.5°	1.5	1.5	1.2	1.1	1.3	1.2
142°	1.5	1.5	1.2	1.2	1.2	1.2
142.5°	1.5	1.6	1.2	1.2	1.3	1.2
143°	1.5	1.6	1.2	1.2	1.3	1.3
143.5°	1.5	1.7	1.4	1.3	1.4	1.3
144°	1.7	1.7	1.7	1.2	1.5	1.3
144.5°	1.7	1.6	1.8	1.5	1.5	1.3
145°	1.7	1.6	1.8	1.5	1.5	1.3
145.5°	1.7	1.6	1.7	1.7	1.7	1.3
146°	1.7	1.6	1.8	1.7	1.6	1.5
146.5°	1.7	1.6	1.8	1.7	1.7	1.5
147°	1.7	1.7	1.9	1.7	1.7	1.6
147.5°	1.7	1.7	1.9	1.8	1.9	1.7
148°	1.7	1.7	1.9	1.9	1.9	1.8
148.5°	1.7	1.7	1.9	2.0	1.9	1.8
149°	1.8	1.7	1.9	2.0	1.9	1.9
149.5°	1.8	1.8	1.9	1.9	2.0	1.9
150°	1.8	1.9	2.0	2.0	2.0	1.9
150.5°	1.8	1.9	1.9	2.0	2.0	1.9
151°	1.7	1.9	1.9	2.1	2.0	1.9
151.5°	1.7	1.9	1.9	2.1	2.0	1.9
152°	1.7	1.9	1.9	2.1	2.0	1.9
152.5°	1.7	1.9	1.9	2.0	2.0	1.9
153°	1.7	1.9	1.9	2.0	2.0	1.9
153.5°	1.8	1.9	1.9	2.0	2.0	1.9
154°	1.9	1.9	1.9	2.0	2.0	1.9
154.5°	1.9	1.9	1.9	2.0	2.0	1.9
155°	2.0	1.9	1.9	2.0	2.0	1.9
155.5°	2.0	1.9	1.9	2.0	2.0	1.9
156°	2.0	1.9	1.9	2.0	2.0	1.9



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	2.0	1.9	1.9	2.0	2.0	1.9
158°	2.1	1.9	1.9	2.0	2.0	1.9
158.5°	2.2	1.9	1.9	2.0	2.0	2.0
159°	2.2	1.9	1.9	2.0	2.0	2.0
159.5°	2.2	1.9	1.9	2.0	2.0	2.1
160°	2.2	1.9	1.9	2.0	2.0	2.1
160.5°	2.2	2.0	1.9	2.0	2.0	2.1
161°	2.2	2.0	1.9	2.0	2.0	2.0
161.5°	2.2	1.9	1.9	2.0	2.0	2.0
162°	2.2	2.0	1.9	2.0	2.0	2.0
162.5°	2.2	2.0	2.0	2.0	2.0	2.0
163°	2.2	2.0	2.0	2.0	2.0	2.0
163.5°	2.2	2.0	2.0	2.0	2.0	2.0
164°	2.2	2.0	2.0	2.0	2.0	2.0
164.5°	2.2	2.0	2.0	2.0	2.0	2.1
165°	2.2	2.0	2.0	2.0	2.0	2.1
165.5°	2.2	2.0	2.1	2.0	2.0	2.1
166°	2.2	2.0	2.0	2.0	2.0	2.1
166.5°	2.2	2.0	2.0	2.0	2.0	2.1
167°	2.2	2.0	2.0	2.0	2.0	2.1
167.5°	2.2	2.0	2.0	2.0	2.0	2.2
168°	2.2	2.0	2.0	2.0	2.0	2.2
168.5°	2.2	2.0	2.0	2.0	2.0	2.2
169°	2.2	2.0	2.0	2.0	2.0	2.2
169.5°	2.2	2.1	2.0	2.0	2.0	2.2
170°	2.2	2.1	2.0	2.0	2.0	2.2
170.5°	2.2	2.0	2.0	2.0	2.0	2.2
171°	2.2	2.0	2.0	2.0	2.0	2.2
171.5°	2.2	2.0	2.0	2.0	2.0	2.2
172°	2.2	2.0	2.0	2.0	2.0	2.2
172.5°	2.2	2.0	2.0	2.0	2.0	2.2
173°	2.2	2.0	2.0	2.0	2.0	2.2
173.5°	2.2	2.0	2.0	2.0	2.0	2.2
174°	2.2	2.0	2.0	2.0	2.0	2.2
174.5°	2.2	2.0	2.0	2.0	2.0	2.2
175°	2.2	2.0	2.0	2.0	2.0	2.2
175.5°	2.2	2.0	2.0	2.0	2.0	2.2
176°	2.2	2.0	2.0	2.0	2.0	2.2
176.5°	2.2	2.0	2.0	2.0	2.0	2.2
177°	2.2	2.0	2.0	2.0	2.0	2.2
177.5°	2.2	2.0	2.1	2.0	2.0	2.2
178°	2.2	2.1	2.2	2.0	2.0	2.2
178.5°	2.2	2.2	2.3	2.1	2.2	2.2



TEST NUMBER: P417427

CATALOG NUMBER: SMD6R129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.2	2.2	2.2	2.2	2.2	2.2



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°







21.5°	392.9	391.0	390.1	390.4	392.5	394.5	396.8	399.4	400.9	403.2	402.6
22°	391.0	389.3	388.3	388.5	391.0	392.9	395.1	397.8	399.8	402.3	401.4



44°	287.1	284.5	282.8	283.6	286.8	290.1	294.3	298.9	302.8	305.5	306.5
44.5°	284.3	281.5	279.7	280.6	283.9	287.2	291.5	295.9	299.9	302.7	304.2



66.5°	138.0	134.5	132.9	133.5	138.0	142.2	147.4	152.8	157.5	160.9	162.1
67°	134.3	130.9	129.2	129.9	134.4	138.7	143.8	149.3	153.9	157.1	158.3



89°	0.6	0.5	0.4	0.6	0.3	1.9	5.3	8.8	12.0	14.2	15.1
89.5°	0.6	0.5	0.4	0.5	0.3	0.5	3.1	6.5	9.6	11.6	12.6





111.5°	0.9	0.9	0.9	1.1	0.6	0.7	0.8	0.7	0.8	0.6	0.6
112°	0.9	0.9	0.8	1.1	0.6	0.7	0.8	0.8	0.8	0.6	0.6



134°	1.1	1.0	1.0	1.1	1.3	1.1	1.3	1.2	1.4	1.3	1.3
134.5°	1.1	1.1	1.0	1.1	1.3	1.1	1.3	1.2	1.4	1.3	1.3



156.5°	1.9	1.9	2.0	2.0	2.1	2.0	2.1	2.2	2.2	2.1	2.0
157°	1.9	1.9	2.0	2.0	2.2	2.2	2.1	2.2	2.4	2.2	2.0



179°	2.2	2.3	2.2	2.2	2.8	2.3	2.7	3.0	2.4	2.2	2.3
179.5°	2.2	2.3	2.2	2.2	2.9	2.3	2.6	2.9	2.4	2.2	2.3





21.5°	403.9	401.9	399.6	397.4	394.9	392.9
22°	401.7	400.2	397.9	395.7	393.1	391.0



44°	306.5	303.0	299.5	295.4	291.1	287.1
44.5°	303.4	300.3	296.5	292.7	288.2	284.3



66.5°	161.0	157.0	153.0	148.1	142.7	138.0
67°	157.3	153.5	149.5	144.5	139.3	134.3





89°	14.5	10.6	7.8	4.9	1.5	0.6
89.5°	12.0	8.1	5.5	2.2	0.6	0.6



111.5°	0.8	0.8	0.8	1.1	1.1	0.9
112°	0.8	0.7	0.8	1.1	1.1	0.9



134°	1.3	1.2	1.2	1.1	1.1	1.1
134.5°	1.3	1.2	1.2	1.1	1.1	1.1



156.5°	2.0	1.9	1.9	2.0	2.0	1.9
157°	2.0	1.9	1.9	2.0	2.0	1.9



179°	2.2	2.3	2.3	2.2	2.2	2.2
179.5°	2.2	2.3	2.4	2.6	2.3	2.2



(END OF REPORT)