

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: P417442

Luminaire Tested: **SMD6S129SWHE - 2700K**

Issue Date: 11/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P417442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2008665A001)  
Test Lab:  
Issue Date: 11/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: SMD6S129SWHE - 2700K  
Description: SMD SELECTABLE CCT 2700K  
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1283.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

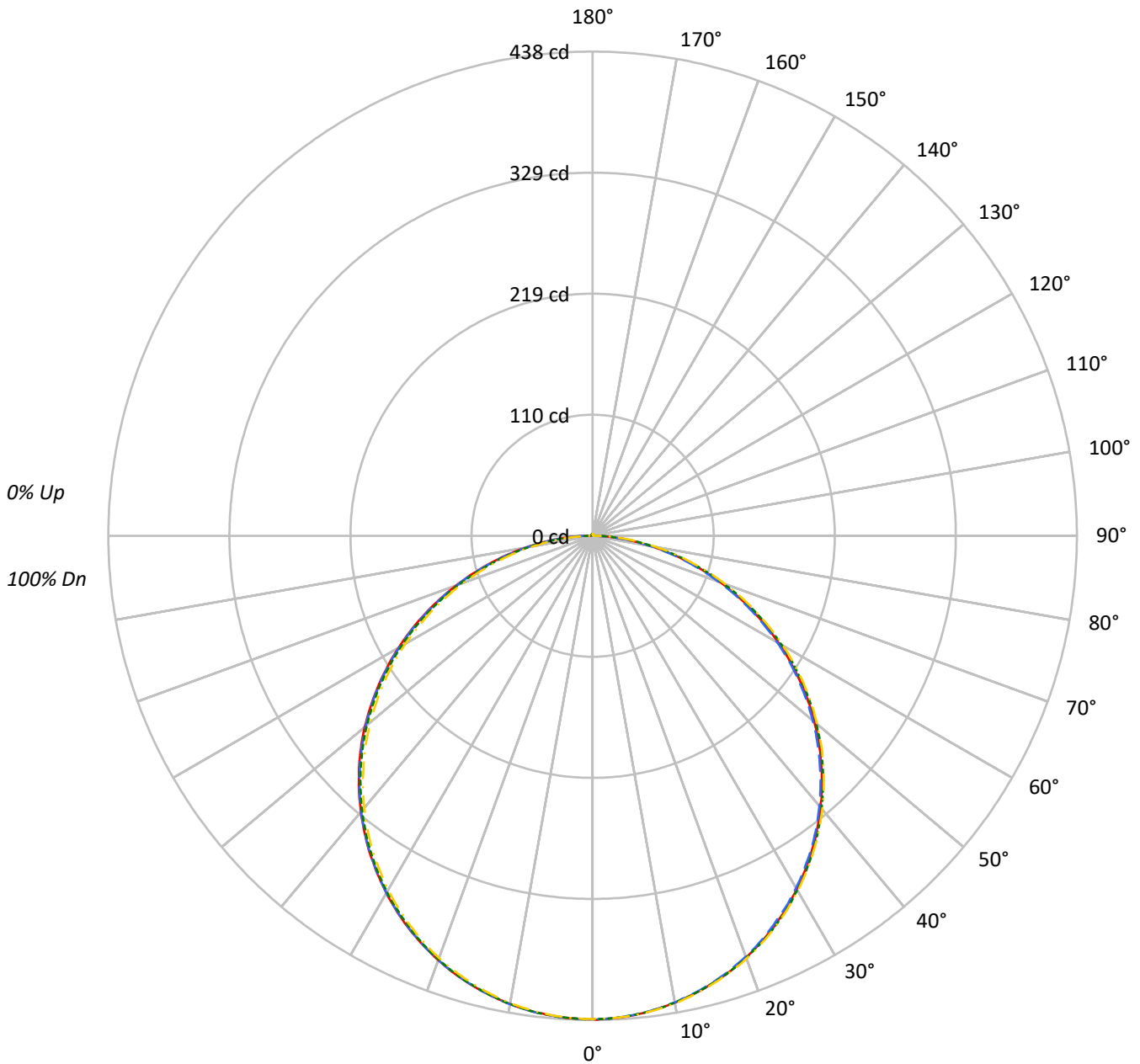
Input Watts (W): 14.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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	100																			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68																			
3	89	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	53	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	44	39	50	44	39	37																			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	23																			

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

	0°	90°	180°	270°
0°	18824	18824	18824	18824
5°	18809	18805	18827	18827
10°	18751	18747	18804	18800
15°	18681	18677	18766	18752
20°	18602	18616	18717	18685
25°	18494	18528	18646	18589
30°	18355	18410	18554	18490
35°	18197	18270	18449	18375
40°	18025	18104	18329	18227
45°	17804	17920	18194	18054
50°	17536	17683	18025	17844
55°	17182	17393	17760	17573
60°	16749	17007	17455	17196
65°	16188	16494	17044	16698
70°	15471	15811	16529	16126
75°	14539	14989	15887	15305
80°	13240	13885	15224	14307
85°	11165	12696	14919	13141



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.4	3.2
10°-20°	118.5	9.2
20°-30°	179.9	14.0
30°-40°	217.8	17.0
40°-50°	227.3	17.7
50°-60°	207.2	16.2
60°-70°	160.5	12.5
70°-80°	95.9	7.5
80°-90°	29.4	2.3
90°-100°	0.5	0.0
100°-110°	0.5	0.0
110°-120°	0.7	0.1
120°-130°	0.8	0.1
130°-140°	0.8	0.1
140°-150°	0.7	0.1
150°-160°	0.5	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	339.8	26.5
0°-40°	557.6	43.5
0°-60°	992.2	77.3
0°-90°	1277.9	99.6
90°-120°	1.8	0.1
90°-150°	4.0	0.3
90°-180°	5.0	0.4
0°-180°	1283.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	437	437	437	437	437	
5°	435	435	436	436	435	41
15°	419	419	421	421	419	118
25°	389	390	392	391	389	179
35°	346	348	351	350	346	217
45°	292	294	299	296	292	226
55°	229	232	237	234	229	205
65°	159	162	167	164	159	157
75°	87	90	96	92	87	92
85°	23	26	30	27	23	25
90°	1	1	4	1	1	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	1
115°	1	1	0	1	1	1
125°	1	1	1	1	1	1
135°	1	1	1	1	1	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	2	2	1	1	0
175°	2	2	2	1	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2
0.5°	437.9	437.2	437.3	437.6	437.3	437.7	437.1	437.3	437.4	437.2	437.3
1°	437.3	437.2	437.2	437.5	437.2	437.6	437.1	437.5	437.3	437.5	437.3
1.5°	437.1	437.0	437.1	437.2	437.1	437.5	436.9	437.3	437.1	437.1	437.3
2°	437.1	437.0	437.0	436.9	437.1	437.3	436.9	437.1	437.1	437.3	437.1
2.5°	436.7	436.6	436.6	436.7	436.8	437.1	436.6	437.1	437.0	437.1	437.0
3°	436.5	436.4	436.3	436.6	436.4	436.8	436.6	436.9	436.8	436.9	436.9
3.5°	436.3	436.1	436.1	436.3	436.2	436.5	436.2	436.7	436.6	436.6	436.6
4°	436.0	435.8	435.7	435.9	435.9	436.1	436.0	436.5	436.3	436.5	436.3
4.5°	435.6	435.3	435.4	435.3	435.5	435.9	435.7	436.2	436.0	436.1	436.0
5°	435.2	435.2	435.0	435.0	435.1	435.4	435.3	435.8	435.6	435.8	435.5
5.5°	434.7	434.6	434.5	434.6	434.7	435.0	434.8	435.3	435.3	435.4	435.3
6°	434.2	434.2	434.0	434.1	434.1	434.5	434.5	434.9	434.6	435.0	434.9
6.5°	433.7	433.5	433.4	433.5	433.6	434.1	433.9	434.4	434.4	434.5	434.4
7°	433.1	432.9	432.8	433.2	432.9	433.6	433.5	433.9	433.8	434.2	434.1
7.5°	432.5	432.3	432.3	432.5	432.4	433.0	432.9	433.4	433.4	433.5	433.4
8°	431.8	431.6	431.6	431.8	431.9	432.3	432.2	432.7	432.7	432.9	432.9
8.5°	431.1	430.8	430.8	431.0	431.2	431.6	431.6	431.9	432.1	432.3	432.2
9°	430.4	430.1	430.1	430.4	430.4	431.0	430.9	431.4	431.5	431.6	431.6
9.5°	429.6	429.3	429.3	429.6	429.5	430.3	430.2	430.7	431.0	430.8	430.9
10°	428.9	428.4	428.6	428.8	428.8	429.6	429.5	430.1	430.1	430.3	430.4
10.5°	428.1	427.7	427.8	427.9	428.0	428.6	428.7	429.2	429.5	429.5	429.6
11°	427.3	426.8	426.6	427.1	427.1	427.8	427.8	428.4	428.6	428.8	428.8
11.5°	426.3	426.0	426.0	426.0	426.4	426.8	426.9	427.4	427.9	427.9	427.8
12°	425.4	424.9	424.9	425.2	425.4	426.1	426.1	426.5	426.9	427.1	427.1
12.5°	424.4	424.0	423.8	424.3	424.4	425.0	425.2	425.6	426.1	426.3	426.0
13°	423.5	422.9	422.9	423.2	423.3	424.2	424.1	424.7	425.0	425.2	425.1
13.5°	422.5	421.8	421.9	422.0	422.3	422.9	423.2	423.8	424.2	424.4	424.1
14°	421.5	420.6	420.7	420.9	421.2	422.0	422.1	422.8	423.2	423.3	423.2
14.5°	420.2	419.6	419.6	419.8	420.1	420.8	420.9	421.7	422.2	422.2	422.0
15°	419.1	418.4	418.5	418.6	419.0	419.8	419.8	420.5	421.0	421.2	420.9
15.5°	418.0	417.3	417.2	417.6	417.9	418.5	418.7	419.4	420.0	420.3	419.9
16°	416.9	416.2	416.0	416.2	416.8	417.6	417.5	418.3	418.8	418.9	418.8
16.5°	415.7	414.8	414.9	415.0	415.6	416.2	416.2	417.2	417.7	417.8	417.6
17°	414.6	413.5	413.6	413.8	414.4	415.2	415.1	416.1	416.6	416.6	416.4
17.5°	413.2	412.2	412.3	412.5	413.1	413.8	413.8	414.6	415.3	415.6	415.1
18°	411.8	410.9	410.9	411.2	411.8	412.6	412.7	413.3	414.0	414.0	413.8
18.5°	410.4	409.6	409.4	409.7	410.5	411.1	411.3	412.0	412.8	412.8	412.5
19°	408.9	408.2	408.0	408.4	409.1	409.8	410.0	410.7	411.4	411.4	411.2
19.5°	407.3	406.5	406.6	407.1	407.7	408.3	408.4	409.3	409.9	410.2	409.8
20°	406.0	405.2	405.0	405.5	406.3	406.9	406.9	407.9	408.5	408.6	408.4
20.5°	404.4	403.6	403.6	404.0	404.8	405.3	405.6	406.3	407.0	407.2	407.0
21°	402.9	402.1	402.1	402.3	403.2	403.9	404.1	404.9	405.5	405.6	405.3



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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°	397.9	397.1	397.0	397.5	398.5	398.8	399.2	400.2	400.8	400.9	400.7
23°	396.3	395.3	395.2	395.5	396.9	397.4	397.6	398.4	399.2	399.4	399.0
23.5°	394.6	393.4	393.6	393.8	395.3	395.6	395.9	396.8	397.6	397.7	397.3
24°	392.8	391.6	391.7	391.9	393.6	393.8	394.0	395.0	395.9	396.0	395.6
24.5°	391.0	389.9	389.8	390.2	391.8	392.0	392.3	393.4	394.3	394.1	393.9
25°	389.3	387.9	388.0	388.4	390.0	390.2	390.4	391.4	392.5	392.4	392.1
25.5°	387.2	385.9	386.0	386.6	388.3	388.4	388.7	389.7	390.8	390.7	390.4
26°	385.4	384.1	384.0	384.7	386.3	386.5	386.9	387.8	389.0	389.0	388.4
26.5°	383.5	382.5	382.3	382.9	384.5	384.5	385.0	386.0	387.1	386.9	386.6
27°	381.8	380.5	380.3	380.9	382.4	382.8	383.1	384.1	385.3	385.1	384.9
27.5°	379.7	378.5	378.5	379.1	380.6	380.8	381.2	382.3	383.4	383.2	382.9
28°	377.8	376.5	376.4	376.9	378.4	378.8	379.1	380.4	381.3	381.3	381.0
28.5°	375.5	374.5	374.4	374.8	376.5	376.5	377.3	378.2	379.4	379.4	379.1
29°	373.5	372.3	372.2	372.8	374.4	374.6	375.2	376.3	377.4	377.3	377.3
29.5°	371.3	370.3	370.1	370.8	372.2	372.4	373.1	374.1	375.4	375.3	375.1
30°	369.2	368.1	368.0	368.4	370.3	370.5	371.0	372.0	373.2	373.0	373.1
30.5°	367.0	366.0	365.8	366.4	368.3	368.3	368.9	370.0	371.0	371.0	370.8
31°	364.8	363.7	363.6	364.1	366.1	366.2	366.7	367.9	368.9	368.8	368.8
31.5°	362.6	361.5	361.3	362.0	363.9	364.0	364.5	365.6	366.8	366.7	366.5
32°	360.2	359.1	359.1	359.7	361.8	361.9	362.3	363.5	364.5	364.4	364.3
32.5°	358.0	356.9	356.7	357.6	359.4	359.6	360.1	361.2	362.4	362.3	362.1
33°	355.6	354.5	354.4	355.2	357.1	357.3	357.7	359.1	360.2	359.9	360.0
33.5°	353.3	352.2	352.0	352.9	354.7	354.9	355.5	356.7	357.8	357.7	357.5
34°	351.0	350.0	349.9	350.4	352.5	352.6	353.1	354.5	355.5	355.4	355.2
34.5°	348.7	347.6	347.3	348.2	350.1	350.4	350.9	352.1	353.4	353.1	353.0
35°	346.2	345.2	345.0	345.6	347.6	348.0	348.4	349.9	351.0	350.7	350.6
35.5°	343.8	342.7	342.5	343.3	345.1	345.8	346.1	347.5	348.7	348.5	348.3
36°	341.3	340.2	340.1	340.7	342.9	343.2	343.7	345.1	346.2	346.1	346.1
36.5°	338.9	337.7	337.4	338.2	340.6	340.7	341.3	342.5	343.9	343.8	343.5
37°	336.4	335.2	335.1	335.5	337.9	338.2	338.7	340.0	341.2	341.3	341.0
37.5°	333.8	332.7	332.3	333.1	335.3	335.8	336.3	337.5	338.9	338.8	338.5
38°	331.3	330.1	329.8	330.4	332.8	333.1	333.5	335.1	336.4	336.2	336.1
38.5°	328.6	327.5	327.1	327.8	330.1	330.5	331.1	332.5	333.8	333.6	333.4
39°	325.9	324.7	324.4	325.1	327.7	328.0	328.4	329.9	331.3	331.1	330.9
39.5°	323.3	322.1	321.7	322.6	325.3	325.4	325.8	327.3	328.8	328.5	328.3
40°	320.7	319.4	319.0	319.9	322.1	322.8	323.1	324.6	326.1	325.7	325.8
40.5°	317.8	316.6	316.4	317.2	319.5	319.9	320.4	321.9	323.3	322.9	322.9
41°	315.4	313.9	313.6	314.5	316.9	317.4	317.7	319.3	320.8	320.4	320.2
41.5°	312.5	311.2	310.7	311.7	314.1	314.7	315.0	316.5	318.3	317.9	317.4
42°	309.8	308.2	307.9	308.8	311.3	312.0	312.2	313.7	315.4	315.2	314.8
42.5°	307.0	305.5	305.1	306.1	308.7	309.0	309.5	310.9	312.8	312.4	312.0
43°	304.2	302.5	302.3	303.1	305.8	306.3	306.6	308.2	310.1	309.5	309.3
43.5°	301.1	299.6	299.3	300.3	302.9	303.3	303.8	305.3	307.2	306.8	306.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	292.4	290.8	290.4	291.3	294.3	294.7	295.2	296.7	298.8	298.1	297.8
45.5°	289.4	288.0	287.4	288.4	291.4	291.6	292.4	293.8	295.9	295.3	294.9
46°	286.4	284.8	284.4	285.4	288.4	288.7	289.3	290.8	293.1	292.3	292.0
46.5°	283.6	282.0	281.4	282.6	285.4	285.9	286.6	287.8	290.0	289.5	288.9
47°	280.5	278.8	278.5	279.5	282.5	282.9	283.6	285.0	287.2	286.5	286.0
47.5°	277.4	275.9	275.4	276.5	279.5	279.9	280.6	282.2	284.1	283.5	283.0
48°	274.4	272.8	272.4	273.4	276.5	276.9	277.4	279.0	281.4	280.6	280.1
48.5°	271.2	269.7	269.5	270.3	273.4	274.0	274.5	276.0	278.2	277.6	277.0
49°	268.1	266.5	266.3	267.2	270.2	270.8	271.1	273.0	275.2	274.3	274.1
49.5°	264.9	263.4	263.1	263.9	267.2	267.5	268.2	269.9	272.1	271.4	271.0
50°	261.8	260.2	259.8	260.7	264.0	264.4	265.0	266.8	269.1	268.4	267.9
50.5°	258.5	256.9	256.5	257.4	260.9	261.2	262.0	263.8	265.8	265.3	264.7
51°	255.4	253.8	253.3	254.3	257.7	258.1	258.7	260.6	262.7	262.0	261.6
51.5°	252.2	250.6	250.2	251.1	254.5	254.9	255.7	257.4	259.6	258.9	258.3
52°	249.1	247.4	247.0	247.9	251.5	251.8	252.4	254.3	256.3	255.6	255.1
52.5°	245.7	244.1	243.8	244.6	248.0	248.6	249.3	251.2	253.0	252.4	251.9
53°	242.4	240.8	240.4	241.3	244.9	245.3	246.0	248.0	249.8	249.3	248.9
53.5°	239.1	237.4	237.1	237.9	241.6	242.1	242.8	244.7	246.6	246.1	245.6
54°	235.6	234.2	233.7	234.6	238.2	238.8	239.6	241.3	243.3	242.7	242.3
54.5°	232.3	230.9	230.3	231.2	234.8	235.5	236.3	238.1	240.0	239.4	239.1
55°	228.9	227.4	227.1	227.8	231.7	232.1	233.0	234.7	236.6	236.1	235.8
55.5°	225.4	223.9	223.6	224.4	228.1	228.7	229.6	231.4	233.4	232.7	232.5
56°	222.0	220.6	220.3	221.0	224.8	225.4	226.3	228.0	229.9	229.5	229.1
56.5°	218.7	217.5	217.0	217.7	221.3	222.0	222.9	224.7	226.6	226.1	225.8
57°	215.3	213.9	213.6	214.4	218.1	218.7	219.6	221.3	223.0	222.8	222.3
57.5°	211.8	210.5	210.2	210.9	214.8	215.4	216.1	218.1	219.8	219.4	219.2
58°	208.4	207.1	206.6	207.3	211.4	211.9	212.9	214.6	216.4	216.0	215.7
58.5°	204.9	203.7	203.1	203.9	208.0	208.5	209.4	211.2	213.2	212.7	212.4
59°	201.5	200.2	199.7	200.4	204.5	204.9	206.0	207.7	209.6	209.3	208.8
59.5°	197.9	196.6	196.1	196.9	200.9	201.4	202.4	204.2	206.2	205.8	205.5
60°	194.5	193.1	192.6	193.4	197.5	198.0	198.9	200.7	202.7	202.3	201.9
60.5°	190.9	189.7	189.0	190.0	193.9	194.3	195.4	197.2	199.3	198.8	198.4
61°	187.5	186.2	185.6	186.4	190.5	190.9	191.8	193.6	195.8	195.3	194.8
61.5°	183.9	182.5	182.1	182.9	186.9	187.4	188.4	190.0	192.4	191.8	191.3
62°	180.4	179.0	178.5	179.3	183.5	184.0	184.9	186.5	188.9	188.4	187.8
62.5°	176.7	175.4	174.9	175.6	179.9	180.3	181.3	182.9	185.3	184.8	184.4
63°	173.2	171.8	171.4	172.2	176.2	176.8	177.8	179.3	181.6	181.2	180.8
63.5°	169.5	168.2	167.8	168.6	172.8	173.1	174.2	175.7	178.3	177.6	177.2
64°	166.1	164.6	164.3	165.1	169.1	169.7	170.5	172.1	174.6	174.1	173.6
64.5°	162.4	161.0	160.6	161.3	165.5	166.0	167.0	168.5	171.0	170.5	170.0
65°	158.9	157.4	157.0	158.0	161.9	162.5	163.4	164.9	167.3	166.8	166.3
65.5°	155.2	153.9	153.5	154.4	158.3	158.8	159.9	161.3	163.9	163.3	162.7
66°	151.7	150.4	149.9	150.9	154.5	155.2	156.2	157.7	160.1	159.5	159.1





TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	141.0	139.5	139.2	140.0	144.0	144.5	145.6	147.3	149.4	149.0	148.4
68°	137.3	135.7	135.5	136.4	140.2	140.9	142.0	143.8	145.7	145.3	144.8
68.5°	133.7	132.2	131.9	132.7	136.7	137.3	138.4	140.2	142.1	141.8	141.3
69°	130.2	128.6	128.2	129.2	133.0	133.7	134.7	136.7	138.6	138.0	137.5
69.5°	126.4	125.0	124.7	125.5	129.3	130.0	131.3	133.0	134.9	134.5	134.0
70°	122.9	121.3	121.1	121.9	125.6	126.4	127.6	129.5	131.3	130.8	130.3
70.5°	119.3	117.8	117.4	118.4	122.2	122.7	124.1	126.0	127.7	127.2	126.8
71°	115.8	114.2	113.9	114.8	118.6	119.3	120.5	122.5	124.1	123.7	123.2
71.5°	112.2	110.6	110.3	111.2	114.9	115.6	116.9	118.9	120.5	120.0	119.6
72°	108.6	107.1	106.8	107.6	111.5	112.1	113.3	115.3	117.1	116.6	116.0
72.5°	105.0	103.5	103.1	104.2	107.8	108.6	109.8	111.7	113.5	113.1	112.6
73°	101.4	99.9	99.6	100.6	104.3	105.0	106.2	108.1	109.8	109.4	108.9
73.5°	97.9	96.4	96.0	96.9	100.6	101.3	102.7	104.4	106.3	105.8	105.4
74°	94.2	92.8	92.5	93.3	97.1	97.9	99.2	101.0	102.8	102.3	101.8
74.5°	90.7	89.4	89.0	89.9	93.6	94.3	95.6	97.4	99.1	98.8	98.4
75°	87.4	86.0	85.7	86.6	90.1	90.9	92.1	93.8	95.5	95.3	94.8
75.5°	83.8	82.6	82.2	83.1	86.7	87.4	88.6	90.3	91.9	91.6	91.3
76°	80.3	79.2	78.9	79.6	83.2	84.1	85.2	86.9	88.6	88.2	87.8
76.5°	76.8	75.7	75.5	76.2	79.7	80.6	81.7	83.4	85.2	84.9	84.4
77°	73.3	72.2	72.0	72.7	76.3	77.1	78.4	80.0	81.9	81.4	80.9
77.5°	70.0	68.8	68.6	69.3	72.8	73.7	74.9	76.6	78.3	78.0	77.4
78°	66.6	65.5	65.3	65.9	69.5	70.4	71.5	73.1	74.7	74.5	74.1
78.5°	63.2	62.2	62.1	62.7	65.9	66.9	68.1	69.8	71.5	71.2	70.6
79°	59.9	59.0	58.7	59.4	62.7	63.5	64.7	66.4	68.0	67.8	67.3
79.5°	56.6	55.6	55.5	56.2	59.3	60.2	61.4	63.0	64.6	64.4	63.9
80°	53.4	52.4	52.4	53.0	56.0	56.9	58.1	59.7	61.4	61.0	60.6
80.5°	50.2	49.3	49.2	49.9	53.0	53.8	55.0	56.5	58.1	57.8	57.4
81°	46.9	46.2	46.0	46.5	49.8	50.6	51.8	53.4	54.7	54.6	54.2
81.5°	43.8	43.1	42.9	43.4	46.5	47.4	48.8	50.1	51.6	51.5	51.1
82°	40.6	39.9	39.8	40.2	43.5	44.4	45.5	46.9	48.7	48.3	47.8
82.5°	37.5	36.9	36.8	37.2	40.4	41.3	42.5	44.0	45.3	45.2	44.8
83°	34.3	33.9	33.8	34.2	37.4	38.4	39.4	40.9	42.3	42.1	41.7
83.5°	31.5	30.8	30.7	31.2	34.3	35.3	36.4	37.8	39.2	39.0	38.7
84°	28.4	27.9	27.7	28.2	31.4	32.3	33.4	34.7	36.3	36.1	35.7
84.5°	25.6	24.9	24.8	25.4	28.6	29.5	30.6	31.9	33.4	33.2	32.8
85°	22.6	22.2	22.2	22.6	25.7	26.7	27.8	29.0	30.2	30.2	29.9
85.5°	20.0	19.5	19.4	19.9	22.9	23.8	24.9	26.2	27.4	27.4	27.0
86°	17.3	16.8	16.6	17.2	20.3	21.2	22.2	23.4	24.6	24.6	24.2
86.5°	14.5	14.0	13.9	14.5	17.6	18.5	19.5	20.9	21.9	21.8	21.5
87°	11.8	11.3	11.3	11.8	14.9	15.8	16.8	18.1	19.2	19.2	18.8
87.5°	9.3	8.9	8.7	9.3	12.3	13.2	14.2	15.4	16.5	16.6	16.2
88°	7.0	6.4	6.2	6.9	9.8	10.6	11.8	12.8	13.9	14.0	13.6
88.5°	4.8	4.1	3.8	4.7	7.4	8.2	9.1	10.3	11.2	11.3	11.0



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.6	0.6	0.6	0.6	0.6	1.5	2.2	3.3	4.3	4.5	3.9
90.5°	0.6	0.6	0.5	0.6	0.4	0.4	0.8	1.4	2.0	2.2	1.7
91°	0.6	0.6	0.5	0.6	0.4	0.4	0.3	0.4	0.3	0.4	0.3
91.5°	0.5	0.6	0.5	0.6	0.4	0.4	0.3	0.4	0.3	0.4	0.3
92°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.4	0.4
92.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.4	0.3
93°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.4	0.3
93.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3
94°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3
94.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3
95°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3
95.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.4
96°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
96.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
98°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
98.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4
99°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.5	0.4
99.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.1	0.4	0.4
100°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.1	0.4	0.4
100.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.1	0.4	0.4
101°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.1	0.4	0.4
101.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.1	0.4	0.4
102°	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.4	0.1	0.4	0.4
102.5°	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.5	0.1	0.4	0.4
103°	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.4	0.1	0.4	0.4
103.5°	0.5	0.6	0.5	0.5	0.4	0.6	0.4	0.4	0.1	0.4	0.4
104°	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.5	0.1	0.5	0.4
104.5°	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.6	0.1	0.5	0.5
105°	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.5	0.1	0.5	0.5
105.5°	0.5	0.6	0.5	0.5	0.5	0.6	0.4	0.5	0.1	0.5	0.6
106°	0.5	0.6	0.5	0.5	0.5	0.6	0.4	0.5	0.1	0.5	0.6
106.5°	0.5	0.6	0.5	0.5	0.5	0.6	0.4	0.6	0.1	0.5	0.5
107°	0.5	0.6	0.5	0.5	0.6	0.6	0.4	0.6	0.4	0.5	0.6
107.5°	0.5	0.6	0.5	0.5	0.5	0.6	0.4	0.6	0.5	0.6	0.6
108°	0.5	0.6	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.6	0.4
108.5°	0.5	0.6	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.6	0.4
109°	0.6	0.6	0.5	0.5	0.6	0.7	0.4	0.6	0.5	0.6	0.4
109.5°	0.6	0.6	0.5	0.5	0.6	0.6	0.4	0.6	0.6	0.6	0.4
110°	0.6	0.6	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.6	0.4
110.5°	0.6	0.6	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.6	0.6
111°	0.6	0.8	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.6	0.6



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.6	0.7	0.7	0.5	0.6	0.6	0.6	0.8	0.5	0.6	0.6
113°	0.6	0.8	0.7	0.5	0.6	0.7	0.6	0.8	0.5	0.6	0.5
113.5°	0.6	0.9	0.8	0.6	0.6	0.7	0.6	0.7	0.5	0.6	0.6
114°	0.6	1.0	0.9	0.6	0.6	0.7	0.6	0.7	0.4	0.6	0.6
114.5°	0.6	1.0	1.0	0.6	0.6	0.8	0.6	0.7	0.4	0.7	0.6
115°	0.6	1.0	1.0	0.6	0.6	0.8	0.6	0.7	0.4	0.7	0.6
115.5°	0.7	1.0	1.0	0.6	0.6	0.8	0.6	0.7	0.4	0.7	0.6
116°	0.7	1.0	1.0	0.6	0.6	0.7	0.6	0.7	0.4	0.8	0.6
116.5°	0.8	1.1	1.1	0.6	0.6	0.8	0.6	0.8	0.4	0.7	0.6
117°	0.8	1.1	1.0	0.6	0.6	0.8	0.6	0.8	0.4	0.7	0.6
117.5°	0.8	1.0	1.0	0.6	0.6	0.8	0.7	0.8	0.7	0.7	0.7
118°	0.8	1.1	1.1	0.6	0.6	0.8	0.7	0.8	0.6	0.7	0.8
118.5°	0.8	1.0	1.1	0.6	0.6	0.8	0.7	0.8	0.6	0.7	0.8
119°	0.8	1.1	1.1	0.8	0.6	0.8	0.6	0.8	0.6	0.7	0.7
119.5°	0.8	1.1	1.1	0.8	0.8	0.8	0.6	0.8	0.6	0.8	0.7
120°	0.9	1.1	1.1	0.8	0.8	0.8	0.9	0.8	0.6	0.8	0.7
120.5°	0.9	1.1	1.1	0.8	0.7	0.8	0.7	0.8	0.6	0.8	0.8
121°	0.8	1.1	1.1	0.8	0.8	0.8	0.7	0.8	0.6	0.8	0.8
121.5°	0.8	1.1	1.1	0.8	0.8	0.9	0.7	0.8	0.6	0.8	0.8
122°	0.8	1.2	1.1	0.8	0.6	0.8	0.7	0.8	0.8	0.8	0.8
122.5°	0.8	1.2	1.1	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8
123°	0.8	1.2	1.1	0.8	0.7	0.8	0.7	0.8	0.8	0.8	0.8
123.5°	0.8	1.1	1.1	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8
124°	0.8	1.1	1.1	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8
124.5°	0.8	1.1	1.1	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8
125°	0.8	1.1	1.1	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
125.5°	0.8	1.1	1.1	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.8
126°	0.8	1.1	1.1	0.9	0.8	0.8	0.8	0.9	0.8	0.8	0.8
126.5°	0.8	1.1	1.1	1.0	0.8	0.8	0.7	0.9	0.8	0.8	0.8
127°	0.9	1.1	1.1	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.8
127.5°	0.9	1.1	1.1	0.9	0.8	0.8	0.8	0.9	0.8	0.8	0.8
128°	0.9	1.1	1.1	0.9	0.8	0.8	0.7	0.9	0.9	0.8	0.8
128.5°	1.0	1.1	1.1	0.9	0.8	0.9	0.8	0.9	0.8	0.8	0.8
129°	1.0	1.1	1.1	0.9	0.8	0.9	0.8	0.9	0.8	0.8	0.8
129.5°	1.0	1.1	1.1	1.0	0.8	0.9	0.8	0.9	0.8	0.8	0.8
130°	1.0	1.1	1.1	1.0	0.8	0.9	0.8	0.9	0.8	0.8	0.8
130.5°	1.0	1.1	1.1	1.0	0.8	0.9	0.8	0.9	0.8	0.8	0.9
131°	1.0	1.1	1.1	1.1	0.8	0.9	1.0	0.9	0.8	0.9	0.9
131.5°	1.0	1.1	1.1	1.1	0.8	0.9	0.8	0.9	0.8	0.9	0.8
132°	1.0	1.1	1.1	1.0	0.8	0.9	0.8	0.9	0.8	0.8	0.8
132.5°	1.0	1.1	1.1	1.0	0.8	0.9	0.8	0.9	0.8	1.0	0.8
133°	1.0	1.1	1.1	1.0	0.9	1.0	0.8	0.9	0.8	1.0	0.8
133.5°	1.0	1.1	1.1	1.0	0.8	1.0	0.9	0.9	0.8	0.9	0.8



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.0	1.1	1.1	1.0	0.8	1.0	0.9	1.0	0.9	0.9	0.8
135.5°	1.1	1.1	1.1	1.0	0.8	1.0	0.9	1.0	0.9	0.9	0.8
136°	1.0	1.1	1.1	1.0	0.8	1.0	1.0	1.0	0.9	0.9	0.8
136.5°	1.0	1.1	1.1	1.0	0.8	1.0	0.9	1.0	0.9	0.9	0.8
137°	1.0	1.1	1.1	1.0	0.8	1.0	0.8	1.0	0.9	0.9	0.8
137.5°	1.0	1.1	1.1	1.0	0.8	1.0	1.0	1.0	0.9	0.9	0.8
138°	1.0	1.1	1.1	1.0	0.8	1.0	0.9	1.0	0.9	0.9	0.8
138.5°	1.0	1.1	1.1	1.0	0.8	1.0	0.9	1.0	0.9	0.9	0.8
139°	1.0	1.1	1.1	1.0	0.8	1.0	0.9	1.0	0.9	1.0	0.8
139.5°	1.0	1.1	1.1	1.0	0.8	1.0	1.0	1.0	0.9	0.9	0.8
140°	1.0	1.1	1.1	1.0	0.7	1.0	0.8	1.1	1.0	1.0	0.8
140.5°	1.0	1.1	1.1	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.8
141°	1.0	1.1	1.1	1.0	0.8	1.0	0.9	1.0	1.0	1.0	0.8
141.5°	1.1	1.1	1.1	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.8
142°	1.1	1.1	1.1	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.8
142.5°	1.1	1.1	1.1	1.0	0.8	1.1	1.0	1.0	1.0	1.0	0.8
143°	1.1	1.1	1.1	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.8
143.5°	1.1	1.1	1.1	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.8
144°	1.1	1.1	1.1	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.8
144.5°	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8
145°	1.1	1.1	1.1	1.0	0.9	1.1	1.1	1.0	1.0	1.0	0.8
145.5°	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.0	0.9
146°	1.1	1.1	1.1	1.0	0.9	1.0	1.0	1.0	1.1	1.0	0.9
146.5°	1.1	1.1	1.1	1.0	1.0	1.1	1.0	0.9	1.1	1.1	0.8
147°	1.1	1.1	1.1	1.0	1.0	1.1	1.0	1.0	1.2	1.1	0.9
147.5°	1.1	1.1	1.1	1.0	0.9	1.1	1.1	1.0	1.1	1.1	0.9
148°	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.0	1.1	1.1	1.0
148.5°	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.0	1.1	1.1	1.0
149°	1.1	1.1	1.1	1.0	1.1	1.2	1.1	1.0	1.1	1.1	1.0
149.5°	1.1	1.1	1.1	1.0	1.0	1.3	1.1	1.0	1.1	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.0	1.1	1.1	1.1
150.5°	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.0	1.1	1.1	1.1
151°	1.2	1.1	1.1	1.1	1.0	1.1	1.2	1.1	1.2	1.2	1.1
151.5°	1.2	1.1	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.4	1.1
152°	1.2	1.1	1.1	1.1	1.0	1.1	1.3	1.2	1.2	1.0	1.1
152.5°	1.2	1.1	1.1	1.2	1.1	1.1	1.3	1.2	1.2	1.0	1.1
153°	1.2	1.1	1.1	1.2	1.0	1.1	1.2	1.2	1.2	1.0	1.1
153.5°	1.2	1.1	1.1	1.2	1.1	1.1	1.2	1.2	1.2	1.0	1.1
154°	1.2	1.1	1.1	1.2	1.1	1.1	1.2	1.2	1.3	1.1	1.2
154.5°	1.2	1.1	1.1	1.3	1.1	1.2	1.2	1.2	1.3	1.0	1.2
155°	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.3	1.3	1.0	1.3
155.5°	1.2	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.1	1.3
156°	1.2	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.1	1.3



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.2	1.1	1.1	1.2	1.4	1.3	1.3	1.3	1.3	1.3	1.3
158°	1.2	1.1	1.1	1.2	1.4	1.3	1.3	1.3	1.3	1.3	1.3
158.5°	1.2	1.1	1.1	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4
159°	1.2	1.1	1.1	1.4	1.4	1.4	1.3	1.4	1.3	1.3	1.3
159.5°	1.2	1.1	1.1	1.4	1.4	1.3	1.3	1.4	1.3	1.3	1.3
160°	1.2	1.1	1.1	1.3	1.4	1.3	1.3	1.4	1.4	1.3	1.3
160.5°	1.2	1.1	1.1	1.5	1.4	1.3	1.4	1.5	1.4	1.3	1.3
161°	1.2	1.1	1.1	1.5	1.5	1.3	1.3	1.5	1.5	1.3	1.3
161.5°	1.2	1.1	1.1	1.5	1.4	1.3	1.3	1.5	1.5	1.5	1.3
162°	1.2	1.1	1.1	1.5	1.5	1.3	1.5	1.5	1.4	1.5	1.3
162.5°	1.2	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.3
163°	1.2	1.1	1.1	1.7	1.5	1.4	1.5	1.5	1.5	1.5	1.3
163.5°	1.2	1.1	1.1	1.5	1.5	1.3	1.5	1.5	1.5	1.5	1.3
164°	1.2	1.1	1.1	1.5	1.5	1.3	1.5	1.6	1.6	1.5	1.3
164.5°	1.2	1.1	1.2	1.5	1.5	1.3	1.6	1.6	1.6	1.5	1.3
165°	1.2	1.1	1.2	1.5	1.5	1.3	1.6	1.5	1.5	1.5	1.3
165.5°	1.2	1.1	1.2	1.5	1.5	1.3	1.7	1.6	1.5	1.5	1.3
166°	1.2	1.1	1.2	1.5	1.5	1.3	1.7	1.6	1.5	1.5	1.3
166.5°	1.2	1.1	1.2	1.5	1.5	1.3	1.7	1.7	1.5	1.6	1.3
167°	1.2	1.1	1.3	1.6	1.5	1.3	1.5	1.6	1.5	1.6	1.3
167.5°	1.2	1.1	1.3	1.6	1.5	1.3	1.6	1.5	1.5	1.6	1.3
168°	1.2	1.1	1.3	1.7	1.5	1.3	1.6	1.5	1.5	1.5	1.3
168.5°	1.2	1.3	1.3	1.7	1.5	1.3	1.7	1.5	1.5	1.5	1.3
169°	1.2	1.3	1.3	1.7	1.5	1.3	1.6	1.5	1.5	1.6	1.4
169.5°	1.2	1.2	1.3	1.7	1.5	1.3	1.3	1.5	1.5	1.6	1.3
170°	1.2	1.2	1.3	1.7	1.5	1.3	1.3	1.5	1.5	1.7	1.3
170.5°	1.2	1.2	1.3	1.7	1.5	1.3	1.3	1.5	1.5	1.7	1.3
171°	1.2	1.3	1.3	1.7	1.5	1.3	1.3	1.5	1.5	1.6	1.3
171.5°	1.3	1.2	1.3	1.7	1.5	1.3	1.3	1.7	1.5	1.6	1.3
172°	1.4	1.3	1.3	1.7	1.5	1.3	1.3	1.7	1.5	1.6	1.3
172.5°	1.6	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.6	1.3
173°	1.6	1.3	1.3	1.7	1.6	1.3	1.2	1.6	1.5	1.6	1.3
173.5°	1.5	1.3	1.3	1.7	1.6	1.3	1.2	1.6	1.5	1.6	1.3
174°	1.5	1.3	1.3	1.7	1.6	1.3	1.2	1.6	1.5	1.6	1.3
174.5°	1.5	1.3	1.3	1.7	1.6	1.3	1.2	1.6	1.5	1.6	1.3
175°	1.5	1.3	1.3	1.7	1.6	1.3	1.2	1.6	1.5	1.6	1.3
175.5°	1.5	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.6	1.3
176°	1.5	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.6	1.3
176.5°	1.5	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.6	1.3
177°	1.5	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.7	1.3
177.5°	1.5	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.7	1.3
178°	1.5	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.6	1.3
178.5°	1.5	1.3	1.3	1.7	1.5	1.3	1.2	1.6	1.5	1.6	1.3



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	437.2	437.2	437.2	437.2	437.2	437.2
0.5°	437.6	437.6	437.6	437.1	437.5	437.9
1°	437.5	437.5	437.4	437.2	437.5	437.3
1.5°	437.4	437.3	437.6	437.0	437.3	437.1
2°	437.2	437.1	437.3	437.0	437.1	437.1
2.5°	436.9	437.0	437.2	436.6	436.9	436.7
3°	436.9	436.7	436.9	436.6	436.5	436.5
3.5°	436.7	436.5	436.6	436.2	436.3	436.3
4°	436.4	436.3	436.3	435.9	436.1	436.0
4.5°	436.1	436.0	436.1	435.6	435.7	435.6
5°	435.9	435.6	435.7	435.2	435.4	435.2
5.5°	435.4	435.2	435.3	434.7	434.9	434.7
6°	435.0	434.9	434.8	434.2	434.4	434.2
6.5°	434.6	434.4	434.4	433.8	433.8	433.7
7°	433.9	433.9	433.8	433.1	433.3	433.1
7.5°	433.5	433.4	433.2	432.6	432.7	432.5
8°	433.0	432.9	432.6	432.0	432.1	431.8
8.5°	432.4	432.2	432.1	431.5	431.5	431.1
9°	431.7	431.5	431.3	430.6	430.7	430.4
9.5°	431.1	430.8	430.6	429.9	429.6	429.6
10°	430.3	430.0	429.8	429.2	429.1	428.9
10.5°	429.5	429.3	429.0	428.3	428.5	428.1
11°	428.6	428.4	428.2	427.5	427.6	427.3
11.5°	427.9	427.6	427.3	426.5	426.6	426.3
12°	426.8	426.6	426.3	425.6	425.8	425.4
12.5°	425.9	425.8	425.3	424.6	424.8	424.4
13°	425.1	424.7	424.4	423.7	423.6	423.5
13.5°	424.1	423.8	423.5	422.7	422.5	422.5
14°	423.0	422.7	422.4	421.6	421.5	421.5
14.5°	422.0	421.8	421.2	420.5	420.4	420.2
15°	421.0	420.7	420.1	419.5	419.3	419.1
15.5°	419.7	419.6	418.8	418.2	418.2	418.0
16°	418.5	418.6	417.8	417.2	416.9	416.9
16.5°	417.4	417.3	416.6	415.8	415.6	415.7
17°	416.3	415.9	415.4	414.6	414.4	414.6
17.5°	415.0	414.8	414.1	413.3	413.4	413.2
18°	413.8	413.5	412.7	412.1	411.9	411.8
18.5°	412.3	412.0	411.2	410.6	410.4	410.4
19°	411.1	410.6	409.9	409.3	409.0	408.9
19.5°	409.6	409.3	408.6	407.8	407.6	407.3
20°	408.3	407.8	407.1	406.5	406.1	406.0
20.5°	406.7	406.4	405.7	404.8	404.5	404.4
21°	405.3	404.9	404.0	403.3	402.9	402.9



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	400.6	400.1	399.2	398.2	398.2	397.9
23°	399.1	398.3	397.7	396.6	396.4	396.3
23.5°	397.2	396.7	396.0	395.0	394.6	394.6
24°	395.6	394.8	394.3	393.3	392.8	392.8
24.5°	393.9	393.1	392.5	391.3	391.0	391.0
25°	392.2	391.3	390.6	389.6	389.2	389.3
25.5°	390.3	389.5	388.9	387.7	387.2	387.2
26°	388.7	387.6	386.9	385.8	385.3	385.4
26.5°	386.8	385.8	385.1	383.8	383.4	383.5
27°	384.9	383.9	383.1	381.9	381.6	381.8
27.5°	383.1	382.0	381.2	380.1	379.6	379.7
28°	381.1	380.1	379.3	378.2	377.7	377.8
28.5°	379.1	378.2	377.1	376.0	375.6	375.5
29°	377.1	376.0	375.0	374.1	373.4	373.5
29.5°	375.0	374.1	373.0	372.0	371.5	371.3
30°	373.0	371.9	370.9	369.9	369.2	369.2
30.5°	370.8	369.8	368.9	367.6	367.2	367.0
31°	368.7	367.6	366.8	365.5	364.9	364.8
31.5°	366.5	365.6	364.5	363.2	362.8	362.6
32°	364.3	363.3	362.4	360.9	360.4	360.2
32.5°	361.9	361.1	359.9	358.6	358.2	358.0
33°	359.8	358.8	357.9	356.4	355.7	355.6
33.5°	357.4	356.7	355.3	354.1	353.6	353.3
34°	355.3	354.2	353.0	351.8	351.3	351.0
34.5°	352.8	352.0	350.8	349.4	348.8	348.7
35°	350.6	349.6	348.5	347.0	346.3	346.2
35.5°	348.3	347.4	346.0	344.6	344.2	343.8
36°	345.9	344.8	343.6	342.3	341.4	341.3
36.5°	343.4	342.5	341.2	339.6	339.0	338.9
37°	341.1	340.0	338.7	337.2	336.4	336.4
37.5°	338.4	337.4	336.2	334.5	333.8	333.8
38°	335.9	334.8	333.5	331.9	331.1	331.3
38.5°	333.3	332.1	330.9	329.3	328.7	328.6
39°	330.7	329.7	328.4	326.7	325.9	325.9
39.5°	328.1	327.1	325.8	323.9	323.4	323.3
40°	325.6	324.3	322.9	321.1	320.6	320.7
40.5°	323.0	321.7	320.2	318.6	318.1	317.8
41°	320.2	318.8	317.4	315.9	315.1	315.4
41.5°	317.6	316.3	314.8	313.1	312.4	312.5
42°	314.9	313.4	312.0	310.2	309.5	309.8
42.5°	312.2	310.7	309.3	307.5	306.7	307.0
43°	309.4	307.8	306.3	304.6	303.9	304.2
43.5°	306.6	305.2	303.5	301.6	301.0	301.1





TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	297.8	296.5	294.7	293.0	292.2	292.4
45.5°	294.8	293.7	291.8	289.9	289.3	289.4
46°	291.9	290.6	288.8	287.0	286.3	286.4
46.5°	289.0	287.7	285.8	284.1	283.4	283.6
47°	286.1	284.8	283.0	281.0	280.4	280.5
47.5°	283.1	281.9	279.9	278.0	277.4	277.4
48°	280.1	278.8	276.9	275.0	274.2	274.4
48.5°	277.1	275.8	273.8	271.8	271.2	271.2
49°	274.0	272.7	270.8	268.6	267.9	268.1
49.5°	270.9	269.6	267.5	265.4	264.8	264.9
50°	267.8	266.4	264.3	262.4	261.7	261.8
50.5°	264.8	263.3	261.0	259.1	258.4	258.5
51°	261.5	260.0	257.9	255.8	255.1	255.4
51.5°	258.5	256.8	254.7	252.7	252.0	252.2
52°	255.3	253.7	251.5	249.5	248.8	249.1
52.5°	252.1	250.5	248.4	246.3	245.5	245.7
53°	249.1	247.4	245.0	242.9	242.2	242.4
53.5°	245.7	244.0	241.9	239.8	238.8	239.1
54°	242.4	240.8	238.4	236.4	235.6	235.6
54.5°	239.2	237.5	235.1	233.1	232.1	232.3
55°	235.9	234.1	231.7	229.8	228.8	228.9
55.5°	232.5	230.6	228.2	226.5	225.4	225.4
56°	229.1	227.3	224.8	223.1	222.0	222.0
56.5°	225.7	223.9	221.6	219.5	218.6	218.7
57°	222.4	220.5	218.1	216.3	215.2	215.3
57.5°	219.1	217.1	214.8	212.9	211.8	211.8
58°	215.7	213.7	211.5	209.3	208.4	208.4
58.5°	212.2	210.3	208.1	205.9	204.8	204.9
59°	208.7	206.8	204.5	202.3	201.3	201.5
59.5°	205.2	203.3	201.0	198.8	197.8	197.9
60°	201.8	199.7	197.5	195.3	194.3	194.5
60.5°	198.1	196.1	194.0	191.9	190.8	190.9
61°	194.5	192.5	190.5	188.3	187.2	187.5
61.5°	190.9	189.0	187.1	184.7	183.8	183.9
62°	187.3	185.5	183.4	181.2	180.3	180.4
62.5°	183.8	181.9	179.9	177.8	176.7	176.7
63°	180.2	178.3	176.3	174.1	172.9	173.2
63.5°	176.6	174.7	172.8	170.5	169.4	169.5
64°	173.0	171.1	169.2	166.9	166.0	166.1
64.5°	169.4	167.5	165.6	163.4	162.3	162.4
65°	165.7	163.9	162.0	159.8	158.7	158.9
65.5°	162.2	160.3	158.2	156.3	155.2	155.2
66°	158.6	156.6	154.7	152.7	151.7	151.7



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	148.2	146.1	143.8	141.8	140.9	141.0
68°	144.6	142.4	140.2	138.2	137.2	137.3
68.5°	141.0	138.8	136.6	134.6	133.7	133.7
69°	137.4	135.3	133.0	131.0	130.1	130.2
69.5°	133.8	131.7	129.3	127.4	126.3	126.4
70°	130.1	128.1	125.7	123.7	122.8	122.9
70.5°	126.6	124.4	122.0	120.3	119.2	119.3
71°	123.0	120.8	118.6	116.6	115.7	115.8
71.5°	119.5	117.4	115.0	113.0	112.0	112.2
72°	116.0	113.6	111.4	109.4	108.4	108.6
72.5°	112.3	110.0	107.8	105.8	104.9	105.0
73°	108.7	106.4	104.2	102.3	101.3	101.4
73.5°	105.1	102.9	100.6	98.7	97.7	97.9
74°	101.5	99.2	97.0	95.2	94.1	94.2
74.5°	97.9	95.7	93.5	91.6	90.8	90.7
75°	94.3	92.0	90.0	88.2	87.3	87.4
75.5°	90.8	88.6	86.6	84.8	83.8	83.8
76°	87.2	85.1	83.1	81.2	80.2	80.3
76.5°	83.9	81.5	79.4	77.8	76.8	76.8
77°	80.4	78.2	76.1	74.4	73.4	73.3
77.5°	77.0	74.6	72.6	71.1	70.1	70.0
78°	73.5	71.1	69.3	67.7	66.7	66.6
78.5°	70.1	67.8	66.0	64.4	63.4	63.2
79°	66.7	64.4	62.6	61.1	60.1	59.9
79.5°	63.4	61.1	59.2	57.8	56.8	56.6
80°	60.0	57.7	56.0	54.6	53.5	53.4
80.5°	56.7	54.6	52.9	51.6	50.5	50.2
81°	53.6	51.4	49.7	48.4	47.2	46.9
81.5°	50.4	48.1	46.5	45.2	44.2	43.8
82°	47.2	45.0	43.4	42.0	41.0	40.6
82.5°	44.1	41.9	40.3	38.8	37.8	37.5
83°	41.1	38.7	37.3	35.8	34.8	34.3
83.5°	38.0	35.6	34.1	32.8	31.8	31.5
84°	35.0	32.6	31.1	29.8	28.9	28.4
84.5°	32.1	29.6	28.1	27.0	25.8	25.6
85°	29.3	26.6	25.4	24.0	23.0	22.6
85.5°	26.4	23.7	22.5	21.3	20.4	20.0
86°	23.6	21.0	19.8	18.5	17.5	17.3
86.5°	21.0	18.3	17.1	15.8	14.7	14.5
87°	18.3	15.6	14.4	13.1	12.3	11.8
87.5°	15.6	13.0	11.7	10.5	9.7	9.3
88°	13.0	10.3	9.2	8.1	7.4	7.0
88.5°	10.5	8.0	6.8	5.7	4.8	4.8



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	3.8	1.4	1.1	0.7	0.7	0.6
90.5°	1.1	0.6	0.7	0.6	0.4	0.6
91°	0.4	0.6	0.6	0.5	0.4	0.6
91.5°	0.4	0.5	0.6	0.5	0.4	0.5
92°	0.4	0.5	0.5	0.5	0.4	0.5
92.5°	0.4	0.5	0.5	0.5	0.4	0.5
93°	0.4	0.5	0.5	0.5	0.4	0.5
93.5°	0.4	0.5	0.5	0.5	0.4	0.5
94°	0.4	0.5	0.5	0.5	0.4	0.5
94.5°	0.4	0.5	0.5	0.5	0.4	0.5
95°	0.4	0.5	0.5	0.5	0.4	0.5
95.5°	0.4	0.5	0.5	0.5	0.4	0.5
96°	0.4	0.5	0.5	0.5	0.4	0.5
96.5°	0.4	0.5	0.5	0.5	0.4	0.5
97°	0.4	0.5	0.5	0.5	0.4	0.5
97.5°	0.4	0.5	0.5	0.5	0.4	0.5
98°	0.4	0.5	0.5	0.5	0.4	0.5
98.5°	0.4	0.5	0.5	0.5	0.4	0.5
99°	0.4	0.5	0.5	0.5	0.4	0.5
99.5°	0.4	0.5	0.5	0.5	0.4	0.5
100°	0.4	0.5	0.5	0.5	0.4	0.5
100.5°	0.4	0.5	0.5	0.5	0.4	0.5
101°	0.4	0.5	0.5	0.5	0.4	0.5
101.5°	0.5	0.5	0.5	0.5	0.4	0.5
102°	0.5	0.5	0.5	0.5	0.4	0.5
102.5°	0.5	0.5	0.5	0.5	0.4	0.5
103°	0.5	0.5	0.5	0.5	0.4	0.5
103.5°	0.5	0.5	0.5	0.5	0.4	0.5
104°	0.5	0.5	0.5	0.5	0.4	0.5
104.5°	0.6	0.5	0.5	0.5	0.4	0.5
105°	0.5	0.5	0.5	0.5	0.4	0.5
105.5°	0.5	0.5	0.5	0.5	0.5	0.5
106°	0.6	0.5	0.5	0.5	0.4	0.5
106.5°	0.6	0.5	0.5	0.5	0.4	0.5
107°	0.6	0.5	0.5	0.5	0.6	0.5
107.5°	0.6	0.5	0.5	0.5	0.5	0.5
108°	0.6	0.5	0.5	0.5	0.6	0.5
108.5°	0.6	0.5	0.5	0.5	0.6	0.5
109°	0.6	0.5	0.5	0.5	0.6	0.6
109.5°	0.6	0.5	0.5	0.5	0.7	0.6
110°	0.7	0.6	0.5	0.5	0.7	0.6
110.5°	0.7	0.6	0.5	0.5	0.8	0.6
111°	0.6	0.6	0.5	0.5	0.8	0.6



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.6	0.6	0.8	0.7	0.8	0.6
113°	0.7	0.6	1.0	0.8	0.8	0.6
113.5°	0.7	0.6	1.0	0.9	0.7	0.6
114°	0.7	0.6	0.9	0.9	0.7	0.6
114.5°	0.8	0.6	1.0	1.0	0.8	0.6
115°	0.7	0.6	1.0	1.0	0.9	0.6
115.5°	0.7	0.6	1.1	1.0	0.9	0.7
116°	0.7	0.8	1.1	1.0	1.0	0.7
116.5°	0.8	0.8	1.1	1.1	0.9	0.8
117°	0.8	0.7	1.1	1.1	0.9	0.8
117.5°	0.8	0.7	1.1	1.0	0.9	0.8
118°	0.8	0.7	1.1	1.0	0.9	0.8
118.5°	0.8	0.8	1.1	1.1	0.9	0.8
119°	0.8	0.8	1.1	1.1	0.9	0.8
119.5°	0.8	0.8	1.1	1.1	0.9	0.8
120°	0.8	0.8	1.1	1.1	0.9	0.9
120.5°	0.8	0.9	1.1	1.1	0.9	0.9
121°	0.8	0.9	1.1	1.0	0.9	0.8
121.5°	0.8	0.8	1.1	1.1	0.9	0.8
122°	0.8	0.8	1.2	1.1	0.9	0.8
122.5°	0.8	0.8	1.2	1.1	0.9	0.8
123°	0.8	0.8	1.1	1.1	0.9	0.8
123.5°	0.8	0.9	1.1	1.1	0.9	0.8
124°	0.8	0.9	1.1	1.1	0.9	0.8
124.5°	0.8	1.0	1.1	1.1	0.9	0.8
125°	0.8	1.0	1.1	1.1	0.9	0.8
125.5°	0.8	1.0	1.1	1.1	0.9	0.8
126°	0.8	1.0	1.1	1.1	0.9	0.8
126.5°	0.8	1.0	1.1	1.1	0.9	0.8
127°	0.8	1.0	1.1	1.1	1.0	0.9
127.5°	0.8	1.0	1.1	1.1	1.0	0.9
128°	0.8	1.0	1.1	1.1	1.0	0.9
128.5°	0.9	1.0	1.1	1.1	1.0	1.0
129°	0.9	1.0	1.1	1.1	1.0	1.0
129.5°	0.9	1.0	1.1	1.1	1.0	1.0
130°	1.0	1.0	1.1	1.1	1.0	1.0
130.5°	0.9	1.0	1.1	1.1	1.0	1.0
131°	0.9	1.0	1.1	1.1	1.0	1.0
131.5°	0.9	1.0	1.1	1.1	1.0	1.0
132°	0.9	1.0	1.1	1.1	1.0	1.0
132.5°	0.9	1.0	1.1	1.1	1.0	1.0
133°	0.9	1.0	1.1	1.1	1.0	1.0
133.5°	0.9	1.0	1.1	1.1	1.0	1.0



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.9	1.0	1.1	1.1	1.0	1.0
135.5°	0.9	1.0	1.1	1.1	1.1	1.1
136°	0.9	1.0	1.1	1.1	1.1	1.0
136.5°	1.0	1.0	1.1	1.1	1.0	1.0
137°	1.0	1.0	1.1	1.1	1.0	1.0
137.5°	1.0	1.0	1.1	1.1	1.0	1.0
138°	1.0	1.0	1.1	1.1	1.0	1.0
138.5°	1.0	1.0	1.1	1.1	1.0	1.0
139°	1.0	1.1	1.1	1.1	1.0	1.0
139.5°	1.0	1.1	1.1	1.1	1.0	1.0
140°	1.0	1.1	1.1	1.1	1.1	1.0
140.5°	1.0	1.1	1.1	1.1	1.1	1.0
141°	1.0	1.1	1.1	1.1	1.1	1.0
141.5°	1.0	1.1	1.1	1.1	1.1	1.1
142°	1.0	1.1	1.1	1.1	1.1	1.1
142.5°	1.0	1.1	1.1	1.1	1.1	1.1
143°	1.0	1.1	1.1	1.1	1.1	1.1
143.5°	1.0	1.1	1.1	1.1	1.1	1.1
144°	1.0	1.1	1.1	1.1	1.1	1.1
144.5°	1.0	1.1	1.1	1.1	1.1	1.1
145°	1.0	1.1	1.1	1.1	1.1	1.1
145.5°	1.0	1.1	1.1	1.1	1.1	1.1
146°	1.0	1.1	1.1	1.1	1.1	1.1
146.5°	1.0	1.1	1.1	1.1	1.1	1.1
147°	1.0	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1
148°	1.1	1.1	1.1	1.1	1.1	1.1
148.5°	1.1	1.1	1.1	1.1	1.1	1.1
149°	1.1	1.1	1.1	1.1	1.1	1.1
149.5°	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	1.1
150.5°	1.1	1.1	1.1	1.1	1.1	1.1
151°	1.1	1.1	1.1	1.1	1.1	1.2
151.5°	1.1	1.1	1.1	1.1	1.1	1.2
152°	1.2	1.1	1.1	1.1	1.1	1.2
152.5°	1.2	1.1	1.1	1.1	1.1	1.2
153°	1.2	1.1	1.1	1.1	1.1	1.2
153.5°	1.2	1.2	1.1	1.1	1.1	1.2
154°	1.2	1.2	1.1	1.1	1.1	1.2
154.5°	1.2	1.2	1.1	1.1	1.1	1.2
155°	1.3	1.2	1.1	1.1	1.1	1.2
155.5°	1.2	1.2	1.1	1.1	1.1	1.2
156°	1.2	1.2	1.1	1.1	1.1	1.2



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.4	1.2	1.1	1.1	1.1	1.2
158°	1.4	1.2	1.1	1.1	1.1	1.2
158.5°	1.3	1.2	1.1	1.1	1.1	1.2
159°	1.5	1.2	1.1	1.1	1.1	1.2
159.5°	1.5	1.2	1.1	1.1	1.1	1.2
160°	1.4	1.2	1.1	1.1	1.1	1.2
160.5°	1.4	1.2	1.1	1.1	1.1	1.2
161°	1.4	1.2	1.1	1.1	1.1	1.2
161.5°	1.4	1.2	1.1	1.1	1.1	1.2
162°	1.4	1.2	1.1	1.1	1.1	1.2
162.5°	1.4	1.2	1.1	1.2	1.1	1.2
163°	1.4	1.2	1.1	1.2	1.1	1.2
163.5°	1.4	1.2	1.1	1.2	1.1	1.2
164°	1.4	1.2	1.1	1.1	1.1	1.2
164.5°	1.4	1.2	1.1	1.1	1.1	1.2
165°	1.5	1.2	1.1	1.1	1.1	1.2
165.5°	1.5	1.2	1.1	1.1	1.1	1.2
166°	1.5	1.2	1.1	1.1	1.1	1.2
166.5°	1.5	1.2	1.1	1.2	1.1	1.2
167°	1.5	1.2	1.1	1.2	1.5	1.2
167.5°	1.5	1.2	1.1	1.2	1.5	1.2
168°	1.5	1.2	1.1	1.3	1.5	1.2
168.5°	1.5	1.2	1.2	1.3	1.5	1.2
169°	1.5	1.2	1.2	1.3	1.5	1.2
169.5°	1.5	1.2	1.2	1.6	1.5	1.2
170°	1.6	1.3	1.2	1.6	1.5	1.2
170.5°	1.6	1.3	1.2	1.6	1.5	1.2
171°	1.6	1.3	1.2	1.6	1.5	1.2
171.5°	1.6	1.3	1.2	1.6	1.5	1.3
172°	1.7	1.3	1.2	1.6	1.5	1.4
172.5°	1.6	1.3	1.2	1.6	1.5	1.6
173°	1.6	1.3	1.2	1.6	1.5	1.6
173.5°	1.6	1.3	1.2	1.6	1.5	1.5
174°	1.6	1.3	1.2	1.6	1.5	1.5
174.5°	1.6	1.3	1.2	1.6	1.5	1.5
175°	1.6	1.3	1.2	1.6	1.5	1.5
175.5°	1.6	1.3	1.2	1.6	1.5	1.5
176°	1.6	1.3	1.2	1.6	1.5	1.5
176.5°	1.6	1.3	1.2	1.6	1.5	1.5
177°	1.5	1.3	1.2	1.6	1.5	1.5
177.5°	1.5	1.3	1.2	1.6	1.5	1.5
178°	1.5	1.3	1.2	1.6	1.5	1.5
178.5°	1.4	1.3	1.2	1.6	1.5	1.5



TEST NUMBER: P417442

CATALOG NUMBER: SMD6S129SWHE - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.5	1.5	1.5	1.5	1.5	1.5



Report Generated By E9808895 / USPTCWHP6082093







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







21.5°	401.3	400.2	400.4	400.9	401.6	402.1	402.5	403.3	404.0	404.1	403.8
22°	399.6	398.7	398.8	399.1	400.2	400.6	400.8	401.7	402.4	402.6	402.5



44°	298.3	296.7	296.3	297.3	300.1	300.4	301.0	302.5	304.4	303.8	303.5
44.5°	295.4	293.9	293.4	294.4	297.2	297.5	298.3	299.6	301.5	301.1	300.6



66.5°	148.1	146.7	146.3	147.2	151.1	151.6	152.7	154.3	156.5	156.0	155.5
67°	144.5	143.1	142.8	143.7	147.4	148.1	149.1	150.9	152.9	152.5	152.0



89°	2.0	1.7	1.8	2.4	5.2	5.9	6.6	7.8	8.9	8.9	8.5
89.5°	0.9	0.8	0.7	1.0	2.9	3.8	4.3	5.5	6.5	6.5	6.1





111.5°	0.6	0.8	0.5	0.5	0.6	0.6	0.6	0.7	0.5	0.7	0.5
112°	0.6	0.7	0.6	0.5	0.6	0.6	0.6	0.7	0.5	0.7	0.5



134°	1.0	1.1	1.1	1.0	0.8	1.0	1.0	1.0	0.9	0.9	0.8
134.5°	1.0	1.1	1.1	1.0	0.8	1.0	1.0	1.0	0.9	0.9	0.8



156.5°	1.2	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.3
157°	1.2	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.3



179°	1.5	1.3	1.3	1.5	1.5	1.3	1.2	1.6	1.5	1.6	1.3
179.5°	1.5	1.3	1.3	1.5	1.5	1.3	1.2	1.6	1.5	1.5	1.3





21.5°	403.7	403.4	402.4	401.7	401.6	401.3
22°	402.2	401.7	400.8	400.0	399.7	399.6



44°	303.6	302.2	300.6	298.8	298.1	298.3
44.5°	300.6	299.5	297.7	295.8	295.1	295.4



66.5°	155.2	153.2	151.2	149.1	148.1	148.1
67°	151.7	149.8	147.6	145.4	144.6	144.5





89°	8.0	6.0	4.8	3.4	2.8	2.0
89.5°	5.8	3.7	2.6	1.6	1.2	0.9



111.5°	0.6	0.6	0.5	0.5	0.8	0.6
112°	0.6	0.6	0.6	0.6	0.8	0.6



134°	0.9	1.0	1.1	1.1	1.0	1.0
134.5°	0.9	1.0	1.1	1.1	1.0	1.0



156.5°	1.3	1.2	1.1	1.1	1.1	1.2
157°	1.3	1.2	1.1	1.1	1.1	1.2



179°	1.4	1.3	1.2	1.6	1.5	1.5
179.5°	1.3	1.3	1.2	1.6	1.5	1.5



(END OF REPORT)