

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: P417425

Luminaire Tested: **SMD6R129SWH - 4000K**

Issue Date: 11/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P417425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2008784A001)  
Test Lab: EVERFINE  
Issue Date: 11/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: SMD6R129SWH - 4000K  
Description: SMD SELECTABLE CCT 4000K  
Light Source: SELECTABLE CCT LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1270.2 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

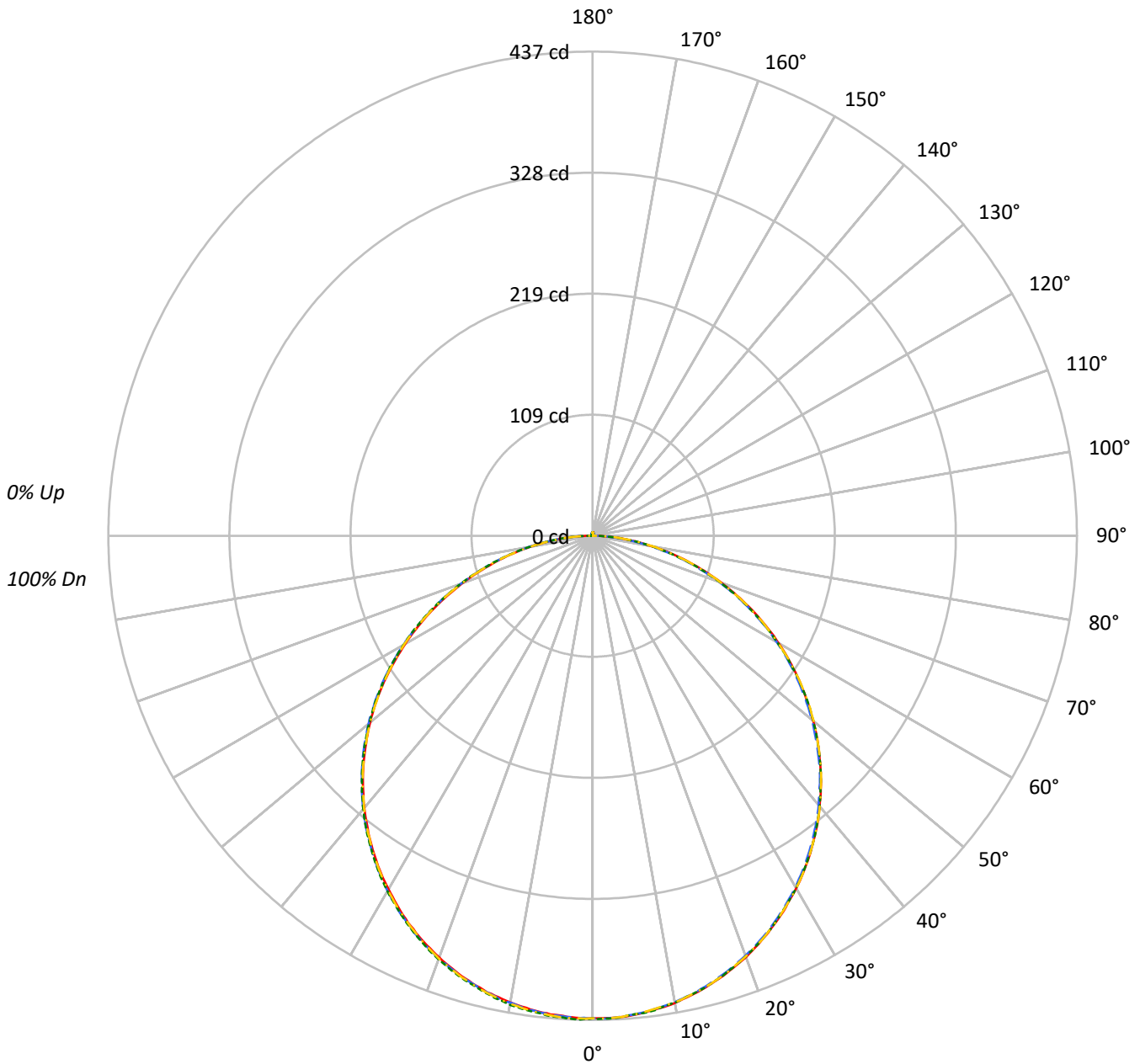
Input Watts (W): 14.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: SMD6R129SWH - 4000K

### 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	82	76	84	79	74	81	76	72	78	74	71	69																			
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	46	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	36	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°	23874	23874	23874	23874
5°	23883	23850	23866	23949
10°	23831	23819	23808	23931
15°	23718	23712	23740	23808
20°	23604	23563	23627	23732
25°	23427	23409	23493	23584
30°	23244	23250	23326	23440
35°	23055	23042	23149	23249
40°	22814	22800	22936	23043
45°	22514	22506	22661	22778
50°	22157	22174	22336	22456
55°	21734	21724	21963	22078
60°	21270	21117	21413	21632
65°	20612	20430	20806	21053
70°	19763	19555	19987	20308
75°	18724	18406	19042	19444
80°	17205	16984	17963	18216
85°	15284	14970	16794	16920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.2	3.2
10°-20°	118.0	9.3
20°-30°	178.8	14.1
30°-40°	216.0	17.0
40°-50°	224.9	17.7
50°-60°	204.3	16.1
60°-70°	157.9	12.4
70°-80°	94.2	7.4
80°-90°	28.7	2.3
90°-100°	0.5	0.0
100°-110°	0.6	0.0
110°-120°	0.7	0.1
120°-130°	0.9	0.1
130°-140°	0.9	0.1
140°-150°	0.8	0.1
150°-160°	0.9	0.1
160°-170°	0.7	0.1
170°-180°	0.2	0.0
0°-30°	338.1	26.6
0°-40°	554.1	43.6
0°-60°	983.3	77.4
0°-90°	1264.1	99.5
90°-120°	1.8	0.1
90°-150°	4.3	0.3
90°-180°	6.0	0.5
0°-180°	1270.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	436	436	436	436	436	
5°	434	433	434	435	434	41
15°	418	418	418	420	418	118
25°	387	387	388	390	387	179
35°	344	344	346	347	344	215
45°	290	290	292	294	290	224
55°	227	227	230	231	227	203
65°	159	158	160	162	159	157
75°	88	87	90	92	88	93
85°	24	24	27	27	24	26
90°	1	0	1	2	1	2
95°	0	0	0	1	0	0
105°	0	1	0	1	0	1
115°	1	1	1	1	1	1
125°	1	1	1	1	1	1
135°	1	1	1	1	1	1
145°	2	2	2	1	2	1
155°	2	2	2	2	2	1
165°	3	2	3	2	3	1
175°	3	3	2	2	3	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°	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5
0.5°	435.5	435.6	435.8	435.7	436.2	435.7	435.7	435.8	435.6	435.6	435.8
1°	435.5	435.6	435.9	435.8	436.1	435.6	435.7	435.8	435.6	435.6	435.2
1.5°	435.5	435.6	435.8	435.6	435.9	435.5	435.7	435.8	435.4	435.4	435.3
2°	435.5	435.6	435.8	435.4	435.9	435.5	435.7	435.6	435.2	435.3	435.0
2.5°	435.5	435.4	435.5	435.2	435.8	435.3	435.4	435.5	435.0	435.3	434.9
3°	435.3	435.2	435.1	435.0	435.6	435.1	435.2	435.1	435.0	435.3	434.8
3.5°	435.1	434.8	434.6	434.6	435.4	434.9	435.0	434.7	434.1	435.1	434.6
4°	434.9	434.5	434.3	434.4	434.3	434.5	434.3	434.6	433.8	434.6	434.4
4.5°	434.4	434.1	434.0	434.0	434.0	434.2	433.7	434.2	433.8	434.5	434.1
5°	434.0	433.8	433.7	433.5	433.4	433.8	433.7	433.5	433.7	434.0	433.9
5.5°	433.6	433.2	433.2	433.0	433.3	432.9	433.2	433.2	432.9	433.3	433.4
6°	432.9	432.7	432.7	432.6	433.2	432.3	432.6	433.0	432.7	432.8	433.1
6.5°	432.3	432.2	432.2	432.1	433.0	432.0	432.0	432.8	432.2	432.3	432.6
7°	431.9	431.8	431.4	431.4	432.4	431.7	431.2	431.9	431.6	432.0	431.9
7.5°	431.2	431.1	430.8	430.9	432.0	430.9	430.7	430.6	431.1	431.2	431.7
8°	430.8	430.5	430.2	430.1	430.6	430.0	429.9	430.3	430.3	430.8	431.0
8.5°	430.2	429.8	429.5	429.5	429.8	429.6	429.6	429.3	429.8	430.2	430.3
9°	429.6	429.0	428.8	428.6	429.1	428.9	428.9	428.7	429.2	429.5	429.7
9.5°	428.9	428.3	428.1	428.0	428.3	427.8	428.1	428.2	428.4	428.8	428.6
10°	428.1	427.6	427.3	427.1	427.9	427.1	427.5	427.5	427.7	427.8	427.8
10.5°	427.1	426.8	426.4	425.9	427.0	426.2	426.8	426.6	426.9	426.5	427.5
11°	426.1	425.8	425.5	425.2	425.9	425.2	425.8	426.0	426.0	426.2	426.7
11.5°	425.3	425.0	424.7	424.3	424.6	424.5	424.8	425.2	425.2	425.8	426.2
12°	424.4	424.0	423.7	423.2	424.0	423.8	423.8	424.7	424.4	424.6	424.9
12.5°	423.3	422.9	422.7	422.5	423.0	422.6	423.0	423.5	423.3	423.8	423.9
13°	422.4	422.0	421.7	421.4	421.9	421.4	422.1	422.7	422.9	423.4	423.1
13.5°	421.4	420.9	420.5	420.3	421.1	420.3	421.0	422.2	421.6	422.6	421.8
14°	420.3	419.9	419.4	419.1	420.0	419.6	419.8	421.0	420.2	421.0	420.9
14.5°	419.0	418.6	418.2	417.8	418.8	418.4	418.8	419.9	419.4	420.1	419.8
15°	417.9	417.5	417.0	416.8	417.8	417.5	417.7	418.5	418.3	418.5	418.6
15.5°	416.7	416.3	415.8	415.5	416.3	416.0	416.4	416.7	417.0	417.3	417.5
16°	415.5	414.9	414.4	414.4	415.0	414.7	415.1	415.4	415.9	416.4	416.3
16.5°	414.3	413.7	413.1	413.1	414.1	413.6	414.0	414.4	414.8	415.0	415.2
17°	413.0	412.4	411.9	411.4	412.5	412.5	412.6	413.0	413.5	413.6	414.1
17.5°	411.6	411.1	410.6	410.1	411.1	410.8	411.1	412.0	412.0	412.7	412.5
18°	410.2	409.6	409.1	408.7	409.8	409.5	409.8	410.5	410.5	411.2	411.3
18.5°	408.8	408.2	407.6	407.1	408.2	408.0	408.3	408.7	409.3	410.1	410.1
19°	407.3	406.8	406.2	405.9	407.1	406.6	406.9	406.9	408.0	408.9	408.5
19.5°	406.0	405.4	404.8	404.4	405.4	405.3	405.5	405.9	406.6	407.1	407.3
20°	404.6	403.8	403.2	402.9	403.9	403.7	403.9	404.4	405.0	405.9	406.0
20.5°	402.9	402.3	401.7	401.3	402.5	402.1	402.3	403.1	403.4	404.3	404.6
21°	401.3	400.6	400.1	399.8	400.9	400.6	400.9	401.3	401.8	402.6	402.9



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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°	396.3	395.7	395.1	394.9	396.0	395.8	396.0	396.5	397.3	398.0	398.2
23°	394.5	394.1	393.4	393.0	394.3	393.8	394.4	395.3	395.6	396.0	396.6
23.5°	392.9	392.2	391.6	391.3	392.7	392.1	392.6	393.7	393.9	394.3	395.0
24°	391.1	390.5	389.8	389.4	390.7	390.5	390.8	391.2	392.1	392.6	393.4
24.5°	389.2	388.7	388.0	387.6	389.1	388.6	389.0	389.3	390.0	390.8	391.6
25°	387.3	386.9	386.1	385.7	387.0	386.4	387.2	388.0	388.4	389.2	389.7
25.5°	385.5	385.0	384.3	383.8	385.1	384.7	385.4	386.1	386.8	387.2	388.3
26°	383.6	383.1	382.4	381.8	383.1	382.9	383.4	384.1	384.7	385.4	385.9
26.5°	381.7	381.2	380.4	380.0	381.1	381.3	381.3	382.1	383.0	383.3	383.9
27°	379.8	379.2	378.4	378.0	379.2	378.9	379.4	380.1	381.0	381.6	382.4
27.5°	377.8	377.0	376.4	376.1	377.1	376.9	377.4	378.7	378.8	379.6	380.4
28°	375.5	375.0	374.4	374.1	375.2	375.1	375.4	375.9	376.7	377.7	378.3
28.5°	373.4	373.1	372.3	371.9	373.1	373.0	373.3	374.0	374.6	375.5	376.3
29°	371.5	371.1	370.4	369.8	371.4	371.2	371.4	372.1	372.5	373.5	374.4
29.5°	369.4	368.9	368.2	367.6	369.3	369.3	369.3	370.3	370.5	371.5	372.0
30°	367.2	366.6	365.9	365.6	367.3	367.0	367.3	368.2	368.5	369.6	370.0
30.5°	365.2	364.5	363.9	363.5	365.0	364.7	365.2	365.6	366.4	367.2	367.9
31°	363.1	362.4	361.5	361.4	362.8	362.5	363.0	363.7	364.3	365.2	365.7
31.5°	360.9	360.1	359.4	359.0	360.6	360.4	360.7	361.9	362.2	363.0	363.5
32°	358.6	357.9	357.1	356.6	358.3	358.3	358.5	358.8	359.8	360.9	361.3
32.5°	356.2	355.5	354.8	354.4	356.0	355.9	356.2	356.8	357.5	358.4	359.2
33°	354.0	353.2	352.3	352.2	353.8	353.4	354.0	354.8	355.4	355.9	357.0
33.5°	351.6	350.8	350.0	349.6	351.4	351.2	351.6	352.5	352.9	353.6	354.4
34°	349.4	348.5	347.7	347.2	349.1	348.8	349.3	349.8	350.6	351.2	351.9
34.5°	346.9	346.1	345.2	345.1	346.6	346.6	346.8	347.6	348.2	349.0	349.7
35°	344.5	343.7	342.8	342.4	344.3	344.0	344.4	345.2	345.9	346.5	347.4
35.5°	342.0	341.4	340.4	339.9	341.9	341.5	342.0	342.9	343.3	344.3	344.6
36°	339.5	338.8	337.9	337.5	339.4	339.6	339.4	340.5	340.9	342.0	342.4
36.5°	337.1	336.3	335.4	335.1	336.9	337.0	337.0	337.8	338.4	339.5	339.9
37°	334.5	333.8	332.9	332.5	334.4	334.3	334.7	335.5	336.1	336.7	337.2
37.5°	332.1	331.1	330.4	329.9	331.8	331.7	332.1	332.9	333.4	334.4	335.1
38°	329.5	328.6	327.6	327.3	329.2	328.9	329.5	330.8	330.8	332.1	332.3
38.5°	326.9	325.9	325.2	324.4	326.6	326.3	326.8	328.2	328.3	329.4	329.8
39°	324.3	323.3	322.5	322.0	324.0	323.8	324.2	325.1	325.7	326.7	327.3
39.5°	321.5	320.6	320.0	319.5	321.3	321.1	321.7	322.3	323.2	324.0	324.5
40°	318.8	317.8	317.1	316.8	318.6	318.6	318.9	319.7	320.5	321.4	322.0
40.5°	315.9	315.2	314.5	314.0	315.8	315.8	316.3	317.1	317.9	318.4	319.4
41°	313.3	312.5	311.7	311.2	313.1	313.0	313.4	314.3	315.1	315.8	316.7
41.5°	310.5	309.7	308.9	308.3	310.2	310.5	310.7	311.5	312.2	313.1	313.8
42°	307.8	306.8	305.9	305.7	307.4	307.5	307.8	308.6	309.5	310.5	311.1
42.5°	304.9	303.9	303.5	302.7	304.6	304.6	305.1	305.9	306.8	307.7	308.2
43°	302.2	301.2	300.7	300.1	302.0	301.9	302.1	303.1	303.8	305.0	305.5
43.5°	299.2	298.3	297.8	297.3	299.1	299.1	299.5	300.2	301.2	302.0	302.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	290.4	289.5	289.0	288.6	290.3	290.3	290.7	291.6	292.3	293.4	294.1
45.5°	287.4	286.5	285.7	285.3	287.3	287.2	287.8	288.5	289.6	290.6	291.2
46°	284.6	283.5	282.7	282.6	284.4	284.1	284.6	285.5	286.4	287.6	288.3
46.5°	281.3	280.5	279.7	279.4	281.3	281.3	281.8	282.3	283.5	284.6	285.3
47°	278.3	277.4	276.8	276.5	278.4	278.2	278.6	279.5	280.4	281.6	282.4
47.5°	275.4	274.3	273.5	273.2	275.3	275.0	275.6	276.4	277.3	278.5	279.3
48°	272.3	271.2	270.4	270.4	272.2	272.1	272.6	273.4	274.5	275.4	276.2
48.5°	269.2	268.1	267.4	267.2	269.2	269.0	269.6	270.4	271.3	272.4	273.2
49°	266.2	265.1	264.5	264.2	266.3	266.1	266.6	267.3	268.4	269.3	270.2
49.5°	263.0	262.0	261.4	260.9	263.1	263.0	263.5	264.4	265.2	266.5	267.0
50°	259.8	258.8	258.2	257.7	260.0	260.0	260.4	261.5	261.9	263.4	263.9
50.5°	256.5	255.7	254.7	254.5	256.8	256.7	257.1	258.1	259.0	260.2	260.9
51°	253.4	252.5	251.6	251.3	253.7	253.5	253.9	255.0	255.7	258.6	257.8
51.5°	250.2	249.2	248.6	248.1	250.6	250.3	250.9	251.8	252.6	253.6	254.5
52°	247.0	245.9	245.3	245.0	247.3	247.2	247.8	248.7	249.4	250.2	251.1
52.5°	243.6	242.7	241.9	241.6	244.0	243.9	244.4	245.4	246.2	247.1	248.0
53°	240.4	239.5	238.7	238.2	240.6	240.7	241.0	242.1	243.0	244.0	244.9
53.5°	237.2	236.3	235.3	235.1	237.4	237.4	237.8	238.7	239.8	240.7	241.6
54°	233.8	232.9	232.2	231.7	233.9	234.0	234.4	235.3	236.4	237.2	238.2
54.5°	230.7	229.7	229.0	228.5	230.5	230.6	231.0	232.2	233.1	233.8	234.9
55°	227.4	226.4	225.6	225.1	227.3	227.3	227.7	228.7	229.8	230.8	231.6
55.5°	224.1	223.1	222.3	221.9	223.8	223.8	224.3	225.4	226.2	227.4	228.2
56°	220.9	219.6	219.0	218.5	220.3	220.5	220.8	221.8	222.7	223.9	224.7
56.5°	217.5	216.3	215.6	215.1	216.8	217.1	217.3	218.4	219.3	220.7	221.3
57°	214.0	213.0	212.2	211.8	213.5	213.5	214.0	215.0	215.9	217.1	218.0
57.5°	210.7	209.6	208.8	208.5	210.0	210.1	210.6	211.5	212.6	213.8	214.5
58°	207.4	206.3	205.4	205.0	206.7	206.7	207.2	208.1	209.1	210.3	211.1
58.5°	204.1	202.8	202.1	201.5	203.2	203.2	203.7	204.8	205.7	206.9	207.7
59°	200.6	199.5	198.7	198.0	199.6	199.8	200.2	201.3	202.2	203.1	204.2
59.5°	197.4	196.1	195.4	194.6	196.1	196.4	196.7	197.8	198.7	199.9	200.9
60°	194.0	192.8	192.0	191.2	192.6	192.5	193.3	194.3	195.3	196.6	197.4
60.5°	190.5	189.3	188.5	187.5	189.1	189.2	189.7	190.8	191.9	193.1	193.9
61°	187.2	185.8	185.0	184.2	185.6	185.6	186.2	187.2	188.3	189.6	190.5
61.5°	183.6	182.4	181.5	180.7	182.1	182.2	182.5	183.7	184.8	186.1	186.9
62°	180.1	178.9	178.0	177.1	178.7	178.7	179.1	180.2	181.3	182.6	183.4
62.5°	176.5	175.3	174.4	173.5	175.1	175.0	175.6	176.6	177.7	179.1	179.8
63°	173.0	171.9	170.8	170.0	171.4	171.4	172.3	173.1	174.2	175.5	176.4
63.5°	169.4	168.3	167.3	166.6	168.0	168.1	168.6	169.6	170.7	171.8	172.7
64°	165.9	164.6	163.6	163.0	164.6	164.5	165.1	166.1	167.3	168.1	169.2
64.5°	162.4	161.2	160.2	159.4	161.0	161.1	161.6	162.6	163.6	164.8	165.4
65°	158.9	157.7	156.6	156.1	157.5	157.6	158.2	159.2	160.4	161.3	162.1
65.5°	155.3	154.1	153.2	152.5	154.0	154.3	154.6	155.6	156.8	157.9	158.6
66°	151.7	150.4	149.5	148.6	150.5	150.8	151.2	152.0	153.1	154.2	155.0





TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	141.0	139.6	138.9	138.0	139.6	140.3	140.5	141.3	142.5	143.5	144.4
68°	137.3	136.2	135.3	134.5	136.1	136.1	136.9	137.8	138.8	140.0	140.6
68.5°	133.8	132.6	131.7	131.1	132.7	132.5	133.3	134.3	135.2	136.4	137.0
69°	130.3	129.1	128.1	127.5	129.0	129.1	129.7	130.8	131.6	132.6	133.5
69.5°	126.9	125.5	124.6	124.1	125.5	125.6	126.2	127.2	128.1	129.2	130.0
70°	123.3	122.1	121.1	120.3	122.0	122.0	122.8	123.7	124.7	125.7	126.5
70.5°	119.8	118.6	117.6	116.6	118.3	118.6	119.2	120.1	121.1	122.4	123.0
71°	116.3	115.0	114.0	113.1	114.6	115.0	115.5	116.5	117.5	118.7	119.3
71.5°	112.8	111.4	110.5	110.0	111.0	111.5	112.0	113.0	114.1	115.1	115.8
72°	109.2	108.0	107.0	106.0	107.5	107.7	108.4	109.5	110.5	111.5	112.3
72.5°	105.7	104.4	103.4	102.4	103.9	104.3	105.0	105.9	106.9	108.0	108.8
73°	102.2	101.0	99.9	99.1	100.5	100.6	101.5	102.6	103.4	104.6	105.2
73.5°	98.8	97.3	96.3	95.3	97.2	97.3	98.2	99.2	100.2	101.2	101.8
74°	95.3	93.9	92.7	91.9	93.7	93.9	94.7	95.7	96.8	97.7	98.5
74.5°	91.8	90.5	89.4	88.8	90.2	90.4	91.3	92.3	93.3	94.3	94.9
75°	88.4	87.1	86.0	84.9	86.9	87.0	87.9	88.9	89.9	90.9	91.5
75.5°	85.0	83.6	82.5	81.6	83.5	83.7	84.6	85.6	86.7	87.6	88.2
76°	81.6	80.2	79.1	78.2	80.2	80.4	81.3	82.3	83.2	84.2	84.9
76.5°	78.1	76.7	75.5	74.9	76.7	77.0	77.9	78.8	79.8	80.7	81.4
77°	74.7	73.2	72.1	71.6	73.4	73.6	74.5	75.5	76.4	77.3	78.0
77.5°	71.4	69.9	68.9	67.8	70.1	70.4	71.2	72.1	73.1	74.0	74.7
78°	67.9	66.5	65.4	64.7	66.7	67.1	67.9	68.9	69.8	70.7	71.5
78.5°	64.6	63.0	62.1	61.2	63.4	63.7	64.6	65.5	66.5	67.4	68.2
79°	61.1	59.6	58.7	58.3	60.1	60.5	61.2	62.3	63.2	64.1	64.8
79.5°	57.8	56.3	55.3	54.7	57.0	57.3	58.2	59.1	59.9	60.8	61.5
80°	54.5	53.3	52.2	52.0	53.8	54.1	55.1	55.9	56.9	57.7	58.3
80.5°	51.3	50.0	48.9	48.5	50.6	51.0	51.9	52.8	53.7	54.5	55.3
81°	48.0	46.8	45.8	45.3	47.5	48.0	48.9	49.7	50.5	51.3	52.0
81.5°	45.0	43.7	42.7	42.2	44.3	44.8	45.6	46.5	47.5	48.0	48.8
82°	41.8	40.6	39.8	39.2	41.3	41.7	42.6	43.6	44.3	44.9	45.7
82.5°	38.6	37.5	36.5	36.3	38.3	38.7	39.5	40.5	41.3	41.9	42.7
83°	35.9	34.5	33.6	33.6	35.3	35.8	36.6	37.5	38.3	39.1	39.6
83.5°	32.8	31.6	30.7	30.2	32.3	32.7	33.6	34.5	35.4	36.1	36.7
84°	29.9	28.5	27.8	27.4	29.4	29.9	30.6	31.5	32.4	33.1	33.7
84.5°	27.1	25.8	24.9	24.7	26.6	27.0	27.9	28.7	29.5	30.1	30.8
85°	24.3	23.1	22.3	22.2	23.8	24.2	25.2	25.9	26.7	27.3	27.9
85.5°	21.6	20.4	19.5	19.1	21.2	21.7	22.5	23.0	23.9	24.4	25.1
86°	19.0	17.7	16.9	16.5	18.5	18.9	19.7	20.6	21.3	22.0	22.5
86.5°	16.3	15.1	14.2	13.8	15.9	16.3	17.1	17.9	18.7	19.2	19.8
87°	13.7	12.5	11.7	11.4	13.3	13.8	14.6	15.1	16.0	16.7	17.2
87.5°	11.1	10.1	9.2	8.8	10.8	11.2	12.0	12.5	13.5	14.0	14.5
88°	8.8	7.8	6.9	6.4	8.4	8.9	9.6	10.4	11.0	11.5	12.0
88.5°	6.5	5.6	4.6	4.1	6.1	6.6	7.2	8.0	8.6	8.9	9.5



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.9	0.8	0.6	0.4	0.4	0.4	0.4	0.8	1.4	2.1	2.6
90.5°	0.7	0.6	0.5	0.3	0.5	0.4	0.2	0.2	0.3	0.6	0.7
91°	0.6	0.6	0.5	0.3	0.4	0.5	0.2	0.2	0.3	0.1	0.5
91.5°	0.7	0.6	0.5	0.2	0.4	0.4	0.1	0.2	0.3	0.1	0.5
92°	0.7	0.6	0.5	0.3	0.4	0.4	0.1	0.2	0.3	0.1	0.5
92.5°	0.6	0.5	0.5	0.2	0.4	0.4	0.1	0.2	0.3	0.2	0.5
93°	0.6	0.5	0.5	0.3	0.4	0.4	0.1	0.2	0.3	0.1	0.5
93.5°	0.5	0.5	0.5	0.3	0.4	0.4	0.1	0.3	0.3	0.1	0.5
94°	0.5	0.5	0.5	0.4	0.4	0.4	0.1	0.1	0.3	0.3	0.5
94.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.1	0.1	0.3	0.2	0.5
95°	0.5	0.5	0.5	0.6	0.5	0.4	0.1	0.1	0.3	0.1	0.5
95.5°	0.5	0.5	0.5	0.4	0.5	0.4	0.1	0.1	0.3	0.2	0.5
96°	0.5	0.5	0.5	0.4	0.5	0.4	0.1	0.5	0.3	0.2	0.5
96.5°	0.5	0.5	0.5	0.5	0.5	0.4	0.1	0.0	0.3	0.1	0.5
97°	0.5	0.5	0.5	0.3	0.5	0.5	0.1	0.0	0.3	0.2	0.5
97.5°	0.5	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.3	0.2	0.5
98°	0.5	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.3	0.1	0.5
98.5°	0.5	0.5	0.5	0.3	0.5	0.5	0.2	0.1	0.3	0.1	0.5
99°	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.1	0.3	0.3	0.5
99.5°	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.1	0.3	0.3	0.5
100°	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.1	0.3	0.2	0.5
100.5°	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.0	0.3	0.1	0.5
101°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.3	0.2	0.6
101.5°	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.0	0.3	0.3	0.6
102°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.5
102.5°	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.3	0.5
103°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.5	0.6
103.5°	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.3	0.3	0.4	0.6
104°	0.5	0.5	0.5	0.9	0.6	0.5	0.5	0.4	0.5	0.3	0.7
104.5°	0.5	0.5	0.5	0.8	0.6	0.5	0.5	0.4	0.5	0.3	0.7
105°	0.5	0.5	0.5	0.8	0.6	0.5	0.5	0.4	0.5	0.3	0.6
105.5°	0.5	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.3	0.6
106°	0.5	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.5	0.3	0.6
106.5°	0.5	0.5	0.7	0.8	0.6	0.5	0.5	0.5	0.5	0.3	0.6
107°	0.7	0.6	0.6	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.6
107.5°	0.7	0.6	0.6	0.4	0.7	0.7	0.5	0.5	0.5	0.4	0.6
108°	0.7	0.7	0.6	0.5	0.7	0.6	0.5	0.6	0.5	0.7	0.6
108.5°	0.7	0.7	0.6	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.6
109°	0.7	0.7	0.7	0.6	0.7	0.7	0.5	0.5	0.5	0.4	0.7
109.5°	0.8	0.7	0.7	0.6	0.7	0.7	0.5	0.4	0.5	0.4	0.6
110°	0.8	0.7	0.7	0.7	0.8	0.7	0.5	0.4	0.6	0.3	0.7
110.5°	0.8	0.7	0.7	0.6	0.8	0.7	0.5	0.4	0.5	0.4	0.7
111°	0.8	0.7	0.7	0.7	0.8	0.7	0.5	0.4	0.5	0.3	0.7



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.9	0.8	0.8	0.7	0.8	0.7	0.5	0.4	0.6	0.8	0.7
113°	0.8	0.7	0.8	0.7	0.8	0.8	0.5	0.5	0.8	0.8	0.7
113.5°	0.8	0.7	0.9	0.7	0.9	0.8	0.7	0.5	0.8	0.5	0.8
114°	0.8	0.7	0.9	0.8	0.9	0.8	0.6	0.5	0.7	0.4	0.8
114.5°	0.8	0.8	0.9	0.9	0.9	0.8	0.4	0.5	0.7	0.8	0.8
115°	0.8	0.8	0.9	0.7	0.9	0.8	0.5	0.5	0.7	0.5	0.8
115.5°	0.8	0.8	0.9	0.9	0.9	0.8	0.5	0.5	0.7	0.7	0.8
116°	0.8	0.9	0.8	0.8	0.9	0.8	0.5	0.5	0.7	0.7	0.9
116.5°	0.9	0.9	0.8	0.7	0.9	0.8	0.5	0.4	0.7	0.7	0.9
117°	0.9	0.9	0.8	0.8	1.0	0.9	0.6	0.8	0.7	0.7	0.9
117.5°	1.0	0.9	0.9	0.7	1.0	0.9	0.7	0.8	0.7	0.7	0.9
118°	1.0	1.0	0.9	0.9	1.0	0.9	0.7	0.8	0.7	0.7	0.9
118.5°	1.0	1.0	0.9	0.9	1.0	0.9	0.7	0.8	0.7	0.8	0.9
119°	1.0	1.0	0.9	0.9	1.0	0.9	0.6	0.7	0.8	0.8	0.9
119.5°	1.0	1.0	0.9	0.9	1.0	0.9	0.7	0.6	0.8	0.8	0.9
120°	1.0	1.0	0.9	0.7	1.0	0.9	0.7	0.6	0.8	0.8	0.9
120.5°	1.0	1.0	0.9	0.7	1.0	1.0	0.6	0.7	0.9	0.8	0.9
121°	1.0	1.0	0.9	0.9	1.0	1.0	0.6	0.7	0.8	0.8	0.9
121.5°	1.0	1.2	0.9	0.9	1.0	1.0	0.8	0.7	1.0	0.8	0.9
122°	1.0	1.2	0.9	1.1	1.0	1.0	0.7	0.8	0.9	0.8	0.9
122.5°	1.0	1.1	0.9	1.0	1.0	1.0	0.7	0.7	0.9	0.8	0.9
123°	1.1	1.1	0.9	1.2	1.0	1.0	0.7	0.6	0.9	0.8	0.9
123.5°	1.0	1.1	1.1	1.2	1.0	1.0	0.7	1.0	0.9	0.8	0.9
124°	1.1	1.1	1.1	1.2	1.0	1.0	0.7	1.0	0.9	1.0	0.9
124.5°	1.1	1.1	1.0	1.2	1.0	1.0	0.7	0.9	0.9	0.9	0.9
125°	1.0	1.1	1.0	1.2	1.1	1.0	0.7	0.8	1.0	0.9	0.9
125.5°	1.1	1.1	1.0	1.2	1.1	1.0	0.7	0.8	1.0	0.9	0.9
126°	1.2	1.1	1.0	1.2	1.1	1.0	0.7	0.8	1.0	0.9	0.9
126.5°	1.1	1.1	1.0	1.2	1.1	1.0	0.8	0.7	1.0	0.9	0.9
127°	1.1	1.1	1.0	1.2	1.1	1.0	0.7	0.7	1.1	0.9	0.9
127.5°	1.1	1.1	1.0	1.1	1.1	1.1	0.7	0.7	1.0	0.9	0.9
128°	1.1	1.1	1.0	1.1	1.2	1.1	0.7	0.9	1.0	0.9	0.9
128.5°	1.1	1.1	1.0	1.1	1.2	1.0	0.7	0.8	1.0	0.9	0.9
129°	1.1	1.1	1.0	1.1	1.2	1.0	0.7	0.8	1.0	1.0	0.9
129.5°	1.1	1.1	1.1	1.1	1.2	1.0	0.7	0.9	1.0	1.0	0.9
130°	1.1	1.1	1.1	1.1	1.2	1.0	0.8	0.9	1.0	1.0	1.0
130.5°	1.1	1.1	1.1	1.1	1.2	1.1	0.8	0.9	1.0	1.0	1.0
131°	1.1	1.1	1.4	1.1	1.2	1.0	0.9	0.9	1.0	1.0	1.0
131.5°	1.1	1.1	1.2	1.1	1.2	1.0	0.9	0.8	1.1	1.0	1.0
132°	1.2	1.1	1.2	1.1	1.2	1.1	0.8	0.8	1.1	1.0	1.0
132.5°	1.2	1.1	1.2	1.1	1.2	1.1	0.8	0.9	1.1	1.0	1.0
133°	1.2	1.1	1.2	1.1	1.2	1.1	0.8	0.8	1.1	1.0	1.0
133.5°	1.2	1.1	1.2	1.1	1.2	1.1	1.1	1.0	1.2	0.9	1.0



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.0	1.2	0.9	1.0
135.5°	1.2	1.1	1.2	1.1	1.2	1.1	1.1	0.9	1.2	0.8	1.0
136°	1.2	1.1	1.2	1.1	1.2	1.1	0.9	0.9	1.2	1.0	1.0
136.5°	1.2	1.2	1.3	1.1	1.3	1.1	0.8	0.8	1.2	1.0	1.1
137°	1.2	1.2	1.3	1.1	1.3	1.2	0.8	1.1	1.3	1.0	1.1
137.5°	1.3	1.2	1.5	1.1	1.3	1.2	1.0	1.0	1.4	1.0	1.2
138°	1.3	1.2	1.6	1.2	1.4	1.2	0.9	1.0	1.3	1.0	1.1
138.5°	1.3	1.2	1.6	1.2	1.4	1.2	0.9	0.9	1.3	1.0	1.1
139°	1.3	1.2	1.5	1.2	1.4	1.2	0.8	1.0	1.5	1.2	1.2
139.5°	1.3	1.2	1.5	1.4	1.4	1.2	0.8	1.2	1.5	1.2	1.2
140°	1.3	1.3	1.5	1.4	1.4	1.3	1.0	1.1	1.4	1.2	1.2
140.5°	1.3	1.3	1.5	1.3	1.4	1.3	1.0	1.1	1.4	1.2	1.2
141°	1.3	1.2	1.5	1.3	1.4	1.2	1.0	1.2	1.4	1.2	1.2
141.5°	1.3	1.2	1.5	1.3	1.4	1.2	0.9	1.2	1.4	1.2	1.2
142°	1.3	1.2	1.5	1.3	1.4	1.2	0.9	1.2	1.5	1.1	1.2
142.5°	1.4	1.3	1.5	1.3	1.4	1.2	0.8	1.2	1.5	1.0	1.2
143°	1.4	1.3	1.5	1.3	1.4	1.2	1.2	1.4	1.6	1.3	1.2
143.5°	1.4	1.3	1.5	1.4	1.4	1.2	1.1	1.3	1.6	1.2	1.2
144°	1.4	1.4	1.5	1.4	1.5	1.2	1.0	1.3	1.5	1.3	1.2
144.5°	1.6	1.4	1.5	1.4	1.5	1.2	1.1	1.2	1.5	1.4	1.2
145°	1.6	1.4	1.5	1.4	1.5	1.2	1.0	1.2	1.5	1.4	1.3
145.5°	1.7	1.5	1.6	1.4	1.5	1.2	1.0	1.2	1.5	1.4	1.3
146°	1.8	1.7	1.6	1.4	1.5	1.2	1.0	1.2	1.6	1.5	1.3
146.5°	1.8	1.7	1.5	1.4	1.6	1.2	1.0	1.3	1.5	1.5	1.3
147°	1.9	1.8	1.8	1.6	1.5	1.2	1.0	1.4	1.6	1.2	1.4
147.5°	2.0	1.8	1.8	1.6	1.5	1.2	1.0	1.4	1.6	1.5	1.4
148°	2.0	1.8	1.7	1.6	1.6	1.3	1.2	1.4	1.6	1.5	1.4
148.5°	2.0	1.8	1.7	1.8	1.6	1.4	1.2	1.4	1.6	1.5	1.4
149°	2.0	1.8	1.7	1.9	1.7	1.5	1.2	1.4	1.6	1.7	1.4
149.5°	2.0	2.0	1.7	1.9	1.7	1.5	1.2	1.4	1.6	1.8	1.4
150°	2.0	1.9	1.7	1.8	1.7	1.5	1.3	1.4	1.6	1.8	1.5
150.5°	2.1	1.9	1.8	1.8	1.7	1.5	1.3	1.4	1.6	1.8	1.5
151°	2.1	1.9	1.8	1.8	1.8	1.5	1.3	1.4	1.6	1.8	1.5
151.5°	2.1	1.9	1.8	1.8	1.7	1.6	1.3	1.4	1.6	1.9	1.5
152°	2.1	1.9	1.8	1.8	1.8	1.7	1.3	1.4	1.8	1.8	1.6
152.5°	2.1	1.9	1.8	1.8	1.8	1.7	1.4	1.4	1.8	1.9	1.6
153°	2.1	1.9	1.8	1.8	1.8	1.7	1.4	1.7	2.1	1.9	1.6
153.5°	2.1	2.0	1.8	1.8	1.8	1.7	1.4	1.6	1.9	1.9	1.6
154°	2.1	2.0	1.8	1.9	1.8	1.7	1.4	1.6	1.9	1.9	1.6
154.5°	2.2	2.0	1.8	1.9	1.8	1.8	1.5	1.8	2.0	2.1	1.6
155°	2.2	2.1	1.8	2.0	1.9	1.8	1.5	1.7	2.0	2.1	1.7
155.5°	2.3	2.1	2.0	2.0	1.9	1.8	1.5	1.7	2.2	2.1	1.8
156°	2.3	2.1	2.0	2.0	1.9	1.8	1.5	1.7	2.2	2.2	1.8



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.3	2.2	2.0	2.0	2.0	1.8	1.8	1.9	2.1	2.2	2.0
158°	2.3	2.2	2.0	2.0	2.0	1.9	1.7	2.0	2.2	2.3	2.0
158.5°	2.3	2.2	2.0	2.0	2.1	2.1	1.6	2.1	2.3	2.4	2.0
159°	2.3	2.2	2.2	2.0	2.1	2.1	1.8	2.1	2.3	2.4	2.0
159.5°	2.3	2.2	2.2	2.0	2.2	2.1	2.0	2.2	2.4	2.3	2.1
160°	2.3	2.3	2.1	2.0	2.3	2.2	2.0	2.2	2.4	2.3	2.2
160.5°	2.4	2.3	2.2	2.0	2.4	2.2	2.0	2.2	2.5	2.4	2.2
161°	2.3	2.3	2.2	2.1	2.3	2.2	2.1	2.2	2.6	2.4	2.2
161.5°	2.3	2.4	2.2	2.0	2.4	2.2	2.2	2.4	2.5	2.4	2.3
162°	2.5	2.4	2.2	2.0	2.4	2.2	2.2	2.4	2.5	2.6	2.3
162.5°	2.5	2.5	2.4	2.0	2.4	2.2	2.2	2.4	2.5	2.6	2.3
163°	2.5	2.6	2.3	2.0	2.4	2.2	2.1	2.5	2.5	2.6	2.3
163.5°	2.5	2.7	2.3	2.0	2.5	2.2	2.3	2.5	2.6	2.4	2.3
164°	2.5	2.7	2.3	2.0	2.6	2.5	2.3	2.6	2.5	2.6	2.3
164.5°	2.5	2.9	2.3	2.1	2.5	2.5	2.4	2.6	2.5	2.6	2.3
165°	2.6	2.9	2.3	2.2	2.5	2.4	2.4	2.6	2.7	2.7	2.4
165.5°	2.8	3.0	2.3	2.2	2.7	2.4	2.5	2.6	2.6	2.9	2.3
166°	2.8	3.1	2.3	2.2	2.7	2.4	2.6	2.5	2.6	2.9	2.3
166.5°	2.8	3.0	2.3	2.2	2.7	2.5	2.5	2.5	2.6	2.8	2.9
167°	2.9	3.0	2.3	2.2	2.8	2.6	2.5	2.5	2.6	2.9	2.6
167.5°	2.9	3.0	2.5	2.2	2.8	2.6	2.5	2.5	2.6	2.8	2.7
168°	2.9	2.9	2.4	2.2	2.9	2.6	2.5	2.5	2.6	4.5	2.5
168.5°	2.9	2.8	2.4	2.2	2.8	2.9	2.5	2.5	2.6	2.6	2.5
169°	2.7	2.8	2.4	2.2	2.8	2.9	2.5	2.5	2.6	2.6	2.4
169.5°	2.9	2.8	2.4	2.4	2.8	2.8	2.5	2.5	2.6	2.6	2.4
170°	2.9	2.8	2.4	2.4	2.8	2.8	2.5	2.5	2.6	2.4	2.4
170.5°	2.9	2.7	2.4	2.4	2.8	2.8	2.5	2.5	2.6	2.3	2.4
171°	2.9	2.7	2.5	2.4	2.8	2.8	2.5	2.5	2.6	2.5	2.4
171.5°	2.9	2.7	2.5	2.4	2.8	2.8	2.7	2.5	2.6	2.5	2.3
172°	3.0	2.7	2.4	2.4	2.8	2.8	2.7	2.5	2.7	2.5	2.3
172.5°	2.8	2.6	2.4	2.4	2.8	2.8	2.8	2.5	2.7	2.5	2.4
173°	2.7	2.7	2.4	2.4	2.8	2.8	2.8	2.5	2.7	2.5	2.3
173.5°	2.7	2.6	2.6	2.4	2.8	2.8	2.8	2.5	2.7	2.5	2.3
174°	2.7	2.6	2.5	2.4	2.8	2.8	2.8	2.5	2.7	2.5	2.3
174.5°	2.6	2.6	2.6	2.4	2.8	2.8	2.9	2.5	2.8	2.5	2.3
175°	2.6	2.6	2.5	2.4	2.8	2.8	2.9	2.5	2.4	2.5	2.3
175.5°	2.6	2.6	2.5	2.4	2.8	2.8	2.8	2.5	2.4	2.6	2.3
176°	2.6	2.6	2.5	2.4	2.8	2.8	2.8	2.5	2.3	2.2	2.3
176.5°	2.5	2.5	2.4	2.4	2.8	2.8	2.6	2.5	2.4	2.2	2.3
177°	2.5	2.5	2.5	2.4	2.8	2.9	2.6	2.6	2.4	2.1	2.4
177.5°	2.5	2.6	2.5	2.4	2.8	2.9	2.6	2.6	2.4	2.2	2.4
178°	2.4	2.4	2.4	2.7	2.9	2.9	2.9	2.6	2.4	2.1	2.3
178.5°	2.6	2.4	2.4	3.0	3.2	3.1	3.1	2.7	2.5	2.4	2.4



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	435.5	435.5	435.5	435.5	435.5	435.5
0.5°	435.8	436.3	436.3	435.7	435.8	435.5
1°	435.7	436.3	436.2	435.7	435.8	435.5
1.5°	435.9	436.8	436.2	435.7	435.9	435.5
2°	435.5	436.7	436.0	435.7	435.8	435.5
2.5°	435.3	436.5	435.8	435.7	435.6	435.5
3°	435.1	436.3	435.8	435.7	435.2	435.3
3.5°	435.0	435.5	435.6	435.6	435.1	435.1
4°	434.8	435.5	435.2	435.3	435.1	434.9
4.5°	434.4	435.4	434.7	434.8	434.7	434.4
5°	433.8	435.2	434.3	434.5	434.5	434.0
5.5°	433.5	434.8	434.0	434.1	434.1	433.6
6°	433.3	434.1	433.5	433.7	433.6	432.9
6.5°	432.8	433.5	433.2	433.2	432.5	432.3
7°	432.0	433.2	432.8	432.7	432.2	431.9
7.5°	431.7	432.7	432.2	432.1	432.0	431.2
8°	431.1	432.1	431.7	431.5	431.0	430.8
8.5°	430.6	431.7	430.9	430.9	430.6	430.2
9°	429.9	430.9	430.3	430.2	430.1	429.6
9.5°	428.8	430.5	429.7	429.5	429.1	428.9
10°	427.9	429.9	429.1	429.0	428.2	428.1
10.5°	427.4	428.8	428.0	427.8	427.4	427.1
11°	426.4	427.7	427.1	427.2	426.7	426.1
11.5°	426.0	427.1	426.2	426.4	425.8	425.3
12°	425.2	426.3	425.5	425.4	425.0	424.4
12.5°	424.4	425.0	424.6	424.3	423.9	423.3
13°	423.3	424.0	423.7	423.4	422.9	422.4
13.5°	422.4	423.2	422.7	422.3	421.8	421.4
14°	421.3	421.9	421.7	421.2	420.8	420.3
14.5°	420.1	420.6	420.4	420.3	419.7	419.0
15°	418.9	419.5	419.4	419.2	418.5	417.9
15.5°	417.8	418.5	418.1	417.9	417.3	416.7
16°	416.6	417.4	417.1	416.7	416.1	415.5
16.5°	415.4	416.1	415.8	415.6	414.8	414.3
17°	414.1	414.9	414.5	414.2	413.6	413.0
17.5°	412.8	413.6	413.1	412.8	412.3	411.6
18°	411.5	412.3	411.7	411.6	411.1	410.2
18.5°	410.3	410.8	410.4	410.2	409.6	408.8
19°	408.9	409.5	408.9	408.7	408.1	407.3
19.5°	407.5	408.2	407.5	407.2	406.9	406.0
20°	406.0	406.8	406.1	405.9	405.3	404.6
20.5°	404.7	405.2	404.6	404.3	403.8	402.9
21°	403.3	403.7	403.1	402.7	402.0	401.3



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	399.8	398.8	398.3	397.9	397.2	396.3
23°	396.8	397.1	396.7	396.1	395.5	394.5
23.5°	395.2	395.4	394.9	394.4	393.8	392.9
24°	393.4	393.6	393.2	392.6	392.0	391.1
24.5°	391.8	391.8	391.4	390.8	390.2	389.2
25°	390.2	389.9	389.5	389.1	388.3	387.3
25.5°	388.2	388.1	387.5	387.1	386.5	385.5
26°	386.5	386.3	385.8	385.2	384.5	383.6
26.5°	384.3	384.3	383.9	383.3	382.6	381.7
27°	382.4	382.4	381.9	381.4	380.7	379.8
27.5°	380.5	380.3	379.9	379.3	378.7	377.8
28°	378.5	378.2	377.9	377.5	376.7	375.5
28.5°	376.6	376.4	375.9	375.5	374.7	373.4
29°	374.3	374.2	373.9	373.3	372.7	371.5
29.5°	372.3	372.6	371.9	371.3	370.6	369.4
30°	370.2	370.3	369.9	369.1	368.4	367.2
30.5°	368.4	368.2	367.8	366.9	366.3	365.2
31°	366.2	366.1	365.6	364.7	364.1	363.1
31.5°	364.0	364.0	363.2	362.5	361.9	360.9
32°	361.6	361.8	361.1	360.4	359.8	358.6
32.5°	359.5	359.6	358.9	358.3	357.4	356.2
33°	357.1	357.0	356.5	355.8	355.1	354.0
33.5°	354.6	354.8	354.2	353.5	352.7	351.6
34°	352.4	352.2	351.7	351.2	350.5	349.4
34.5°	350.0	349.9	349.5	348.9	348.2	346.9
35°	347.7	347.4	346.9	346.4	345.7	344.5
35.5°	345.3	345.1	344.5	343.9	343.3	342.0
36°	342.7	342.5	342.0	341.4	340.8	339.5
36.5°	340.3	340.0	339.6	338.8	338.2	337.1
37°	337.7	337.7	337.1	336.6	335.6	334.5
37.5°	335.2	335.3	334.4	333.9	333.1	332.1
38°	332.6	332.7	331.9	331.3	330.5	329.5
38.5°	330.2	330.2	329.4	328.7	327.9	326.9
39°	327.7	327.5	326.7	326.0	325.1	324.3
39.5°	324.8	324.7	324.0	323.5	322.5	321.5
40°	322.3	322.0	321.3	320.8	319.8	318.8
40.5°	319.7	319.3	318.5	318.0	317.1	315.9
41°	317.1	316.4	315.7	315.3	314.3	313.3
41.5°	314.3	313.7	312.9	312.5	311.5	310.5
42°	311.5	311.0	310.3	309.8	308.6	307.8
42.5°	308.5	308.2	307.4	307.0	305.8	304.9
43°	305.9	305.2	304.6	304.1	303.1	302.2
43.5°	303.3	302.5	302.0	301.4	300.5	299.2





TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	294.6	293.8	293.1	292.7	291.7	290.4
45.5°	291.6	290.8	290.2	289.6	288.8	287.4
46°	288.7	287.9	287.2	286.7	285.5	284.6
46.5°	285.7	284.7	284.4	283.8	282.5	281.3
47°	282.9	281.9	281.2	280.7	279.5	278.3
47.5°	279.7	278.7	278.1	277.6	276.5	275.4
48°	276.5	275.5	275.0	274.4	273.2	272.3
48.5°	273.7	272.5	271.9	271.4	270.3	269.2
49°	270.4	269.3	268.7	268.2	267.1	266.2
49.5°	267.3	266.4	265.8	265.1	264.2	263.0
50°	264.5	263.3	262.5	262.0	260.8	259.8
50.5°	261.1	259.9	259.4	258.9	257.7	256.5
51°	258.2	257.0	256.1	255.8	254.6	253.4
51.5°	254.8	253.7	253.0	252.5	251.3	250.2
52°	251.7	250.6	249.9	249.3	248.1	247.0
52.5°	248.5	247.4	246.6	246.0	244.8	243.6
53°	245.3	244.2	243.3	242.8	241.6	240.4
53.5°	242.1	240.7	240.1	239.6	238.4	237.2
54°	238.9	237.4	236.8	236.2	235.1	233.8
54.5°	235.5	234.1	233.5	233.0	232.0	230.7
55°	232.1	231.0	230.3	229.8	228.7	227.4
55.5°	228.7	227.6	227.2	226.4	225.3	224.1
56°	225.4	224.3	223.8	223.2	222.0	220.9
56.5°	222.0	220.9	220.5	219.9	218.8	217.5
57°	218.6	217.7	217.2	216.5	215.3	214.0
57.5°	215.3	214.3	213.9	213.2	212.0	210.7
58°	211.9	210.8	210.5	209.8	208.7	207.4
58.5°	208.5	207.5	207.2	206.4	205.4	204.1
59°	205.1	204.1	203.8	203.1	202.0	200.6
59.5°	201.6	200.7	200.4	199.6	198.6	197.4
60°	198.3	197.3	197.0	196.3	195.2	194.0
60.5°	194.8	194.0	193.7	192.9	191.9	190.5
61°	191.1	190.6	190.2	189.6	188.4	187.2
61.5°	187.6	187.1	186.8	185.9	185.0	183.6
62°	184.0	183.6	183.2	182.4	181.4	180.1
62.5°	180.6	180.1	179.7	178.9	178.0	176.5
63°	177.0	176.6	176.2	175.4	174.4	173.0
63.5°	173.5	173.0	172.7	171.9	170.8	169.4
64°	169.8	169.4	169.1	168.4	167.1	165.9
64.5°	166.2	165.8	165.6	164.8	163.6	162.4
65°	162.7	162.3	162.1	161.4	160.2	158.9
65.5°	159.3	158.8	158.6	157.8	156.5	155.3
66°	155.5	155.3	155.0	154.3	153.0	151.7



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	145.0	144.4	144.2	143.4	142.2	141.0
68°	141.4	140.9	140.6	139.9	138.8	137.3
68.5°	137.8	137.4	137.1	136.3	135.2	133.8
69°	134.3	133.8	133.5	132.8	131.7	130.3
69.5°	130.7	130.2	129.9	129.1	128.1	126.9
70°	127.1	126.7	126.5	125.7	124.7	123.3
70.5°	123.7	123.2	122.9	122.3	121.3	119.8
71°	120.2	119.7	119.5	118.7	117.8	116.3
71.5°	116.6	116.2	116.0	115.3	114.2	112.8
72°	113.0	112.7	112.4	111.7	110.7	109.2
72.5°	109.6	109.0	109.0	108.2	107.1	105.7
73°	105.9	105.5	105.5	104.8	103.6	102.2
73.5°	102.5	102.1	102.0	101.3	100.2	98.8
74°	99.1	98.6	98.5	97.8	96.7	95.3
74.5°	95.6	95.2	95.0	94.3	93.2	91.8
75°	92.2	91.8	91.6	91.0	89.9	88.4
75.5°	88.9	88.3	88.3	87.6	86.5	85.0
76°	85.6	84.8	84.9	84.1	83.1	81.6
76.5°	82.1	81.4	81.4	80.7	79.5	78.1
77°	78.7	78.0	78.0	77.3	76.2	74.7
77.5°	75.3	74.6	74.5	73.9	72.8	71.4
78°	72.1	71.2	71.1	70.5	69.4	67.9
78.5°	68.7	67.8	67.8	67.1	65.9	64.6
79°	65.6	64.4	64.4	63.8	62.6	61.1
79.5°	62.0	61.0	60.9	60.3	59.2	57.8
80°	59.1	57.7	57.7	57.0	55.9	54.5
80.5°	55.8	54.3	54.3	53.8	52.6	51.3
81°	52.8	51.1	51.2	50.5	49.5	48.0
81.5°	49.5	47.8	48.0	47.4	46.3	45.0
82°	46.3	44.9	44.8	44.3	43.2	41.8
82.5°	43.3	41.7	41.6	41.2	40.2	38.6
83°	40.4	38.6	38.6	38.1	37.1	35.9
83.5°	37.3	35.6	35.6	35.2	34.2	32.8
84°	34.2	32.6	32.6	32.2	31.2	29.9
84.5°	31.4	29.6	29.8	29.3	28.3	27.1
85°	28.6	26.9	26.9	26.4	25.6	24.3
85.5°	25.8	24.0	24.1	23.8	22.8	21.6
86°	23.0	21.4	21.4	21.0	20.1	19.0
86.5°	20.2	18.6	18.7	18.2	17.4	16.3
87°	17.8	16.0	15.9	15.5	14.7	13.7
87.5°	15.1	13.3	13.4	13.0	12.2	11.1
88°	12.3	10.8	10.8	10.4	9.7	8.8
88.5°	9.8	8.3	8.3	7.9	7.4	6.5



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	2.8	1.8	1.7	1.5	1.0	0.9
90.5°	1.0	0.9	0.8	0.8	0.6	0.7
91°	0.2	0.7	0.7	0.7	0.6	0.6
91.5°	0.2	0.7	0.7	0.7	0.6	0.7
92°	0.3	0.6	0.6	0.6	0.6	0.7
92.5°	0.2	0.6	0.6	0.6	0.6	0.6
93°	0.1	0.6	0.6	0.6	0.6	0.6
93.5°	0.1	0.6	0.6	0.6	0.5	0.5
94°	0.1	0.6	0.6	0.6	0.5	0.5
94.5°	0.1	0.6	0.6	0.6	0.5	0.5
95°	0.1	0.6	0.6	0.6	0.5	0.5
95.5°	0.0	0.6	0.6	0.6	0.5	0.5
96°	0.0	0.6	0.6	0.6	0.5	0.5
96.5°	0.1	0.6	0.6	0.6	0.5	0.5
97°	0.1	0.6	0.6	0.6	0.5	0.5
97.5°	0.1	0.6	0.6	0.6	0.5	0.5
98°	0.2	0.6	0.6	0.6	0.5	0.5
98.5°	0.3	0.6	0.6	0.6	0.5	0.5
99°	0.3	0.6	0.6	0.6	0.5	0.5
99.5°	0.3	0.6	0.6	0.6	0.5	0.5
100°	0.3	0.6	0.6	0.6	0.5	0.5
100.5°	0.2	0.6	0.6	0.6	0.5	0.5
101°	0.1	0.6	0.6	0.6	0.5	0.5
101.5°	0.1	0.6	0.6	0.6	0.5	0.5
102°	0.3	0.6	0.6	0.6	0.5	0.5
102.5°	0.4	0.6	0.6	0.6	0.5	0.5
103°	0.4	0.6	0.6	0.6	0.5	0.5
103.5°	0.4	0.6	0.6	0.6	0.5	0.5
104°	0.4	0.6	0.6	0.6	0.5	0.5
104.5°	0.3	0.7	0.6	0.6	0.5	0.5
105°	0.3	0.7	0.6	0.6	0.5	0.5
105.5°	0.3	0.7	0.6	0.6	0.5	0.5
106°	0.5	0.7	0.6	0.6	0.5	0.5
106.5°	0.4	0.7	0.6	0.6	0.5	0.5
107°	0.4	0.7	0.6	0.6	0.5	0.7
107.5°	0.4	0.7	0.6	0.6	0.5	0.7
108°	0.5	0.7	0.6	0.6	0.5	0.7
108.5°	0.5	0.8	0.6	0.6	0.5	0.7
109°	0.5	0.8	0.6	0.6	0.5	0.7
109.5°	0.5	0.8	0.6	0.6	0.5	0.8
110°	0.5	0.7	0.6	0.6	0.5	0.8
110.5°	0.4	0.7	0.6	0.6	0.5	0.8
111°	0.5	0.7	0.6	0.6	0.5	0.8



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.5	0.7	0.6	0.6	0.6	0.9
113°	0.5	0.7	0.6	0.6	0.7	0.8
113.5°	0.5	0.7	0.6	0.6	0.7	0.8
114°	0.5	0.7	0.6	0.6	0.7	0.8
114.5°	0.5	0.7	0.7	0.6	0.7	0.8
115°	0.5	0.7	0.7	0.6	0.7	0.8
115.5°	0.5	0.8	0.7	0.6	0.9	0.8
116°	0.5	0.8	0.7	0.6	0.9	0.8
116.5°	0.6	0.9	0.7	0.7	1.0	0.9
117°	0.6	0.9	0.7	0.7	1.0	0.9
117.5°	0.6	0.8	0.8	0.7	1.0	1.0
118°	0.4	0.8	0.8	0.7	1.0	1.0
118.5°	0.4	0.8	0.8	0.7	1.0	1.0
119°	0.4	0.9	0.9	0.7	1.0	1.0
119.5°	0.4	0.9	0.9	0.7	1.0	1.0
120°	0.6	0.9	1.0	0.7	1.1	1.0
120.5°	0.5	0.9	1.0	0.8	1.1	1.0
121°	0.6	0.9	1.0	0.9	1.1	1.0
121.5°	0.7	1.0	1.1	0.9	1.2	1.0
122°	0.5	1.0	1.2	0.9	1.1	1.0
122.5°	0.6	1.0	1.1	0.9	1.1	1.0
123°	0.7	1.0	1.1	0.9	1.1	1.1
123.5°	0.7	1.0	1.1	0.9	1.1	1.0
124°	0.7	1.0	1.1	0.9	1.1	1.1
124.5°	0.8	1.0	1.1	1.0	1.1	1.1
125°	0.8	1.0	1.1	1.0	1.1	1.0
125.5°	0.8	1.0	1.1	1.0	1.1	1.1
126°	0.7	1.0	1.1	1.0	1.1	1.2
126.5°	0.7	1.0	1.1	1.0	1.1	1.1
127°	0.8	1.1	1.2	1.0	1.1	1.1
127.5°	0.7	1.0	1.2	1.0	1.1	1.1
128°	0.8	1.0	1.2	1.0	1.1	1.1
128.5°	0.8	1.1	1.2	1.0	1.1	1.1
129°	0.7	1.1	1.2	1.2	1.1	1.1
129.5°	0.7	1.1	1.2	1.2	1.1	1.1
130°	0.7	1.2	1.2	1.1	1.1	1.1
130.5°	0.7	1.2	1.2	1.1	1.1	1.1
131°	0.7	1.1	1.2	1.1	1.1	1.1
131.5°	0.8	1.1	1.2	1.1	1.1	1.1
132°	0.8	1.1	1.2	1.1	1.1	1.2
132.5°	0.9	1.2	1.2	1.1	1.1	1.2
133°	0.9	1.2	1.2	1.1	1.1	1.2
133.5°	0.8	1.1	1.2	1.1	1.1	1.2



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.8	1.2	1.2	1.1	1.1	1.2
135.5°	0.8	1.2	1.2	1.1	1.1	1.2
136°	0.8	1.2	1.2	1.1	1.1	1.2
136.5°	1.0	1.2	1.2	1.1	1.1	1.2
137°	1.0	1.2	1.2	1.1	1.1	1.2
137.5°	0.9	1.2	1.2	1.1	1.1	1.3
138°	0.9	1.2	1.2	1.1	1.1	1.3
138.5°	0.9	1.2	1.2	1.1	1.1	1.3
139°	0.9	1.2	1.2	1.1	1.1	1.3
139.5°	0.9	1.2	1.2	1.1	1.1	1.3
140°	0.9	1.2	1.2	1.1	1.1	1.3
140.5°	0.9	1.2	1.2	1.1	1.1	1.3
141°	0.9	1.2	1.2	1.1	1.1	1.3
141.5°	0.9	1.2	1.2	1.1	1.1	1.3
142°	0.9	1.2	1.2	1.1	1.1	1.3
142.5°	0.9	1.2	1.2	1.1	1.1	1.4
143°	0.9	1.2	1.2	1.1	1.1	1.4
143.5°	1.0	1.2	1.2	1.1	1.1	1.4
144°	1.2	1.2	1.2	1.1	1.1	1.4
144.5°	1.1	1.2	1.2	1.1	1.1	1.6
145°	1.1	1.2	1.2	1.1	1.1	1.6
145.5°	1.1	1.2	1.2	1.1	1.2	1.7
146°	1.1	1.2	1.3	1.1	1.2	1.8
146.5°	1.2	1.2	1.4	1.1	1.3	1.8
147°	1.2	1.2	1.3	1.1	1.3	1.9
147.5°	1.2	1.2	1.3	1.2	1.3	2.0
148°	1.3	1.2	1.4	1.2	1.4	2.0
148.5°	1.3	1.2	1.6	1.2	1.4	2.0
149°	1.3	1.2	1.6	1.2	1.4	2.0
149.5°	1.3	1.3	1.8	1.3	1.4	2.0
150°	1.4	1.3	1.8	1.3	1.4	2.0
150.5°	1.4	1.4	1.8	1.3	1.6	2.1
151°	1.4	1.4	1.9	1.4	1.6	2.1
151.5°	1.5	1.5	1.9	1.4	1.7	2.1
152°	1.5	1.5	1.9	1.3	1.9	2.1
152.5°	1.5	1.5	1.9	1.3	2.0	2.1
153°	1.5	1.6	2.0	1.3	2.0	2.1
153.5°	1.5	1.8	2.0	1.3	2.0	2.1
154°	1.5	1.8	2.0	1.3	2.0	2.1
154.5°	1.6	1.8	2.0	1.3	2.1	2.2
155°	1.5	1.8	2.1	1.5	2.1	2.2
155.5°	1.7	1.8	2.2	1.5	2.0	2.3
156°	1.6	1.8	2.1	1.5	2.0	2.3



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.6	2.0	2.1	1.6	2.0	2.3
158°	1.6	2.0	2.1	1.6	2.0	2.3
158.5°	1.8	2.0	2.1	1.8	2.0	2.3
159°	1.6	2.0	2.1	1.9	2.0	2.3
159.5°	1.8	2.0	2.1	2.0	2.0	2.3
160°	1.8	2.0	2.1	2.0	2.0	2.3
160.5°	1.8	2.0	2.1	2.0	2.0	2.4
161°	1.8	2.0	2.1	2.0	2.0	2.3
161.5°	1.8	2.0	2.1	2.0	2.0	2.3
162°	1.8	2.0	2.1	2.0	2.2	2.5
162.5°	1.8	2.0	2.1	2.0	2.2	2.5
163°	1.9	2.0	2.1	2.0	2.2	2.5
163.5°	2.1	2.0	2.1	2.1	2.2	2.5
164°	2.0	2.0	2.1	2.0	2.2	2.5
164.5°	2.0	2.0	2.1	2.1	2.3	2.5
165°	2.1	2.0	2.1	2.1	2.3	2.6
165.5°	2.1	2.0	2.1	2.1	2.3	2.8
166°	2.2	2.0	2.1	2.1	2.3	2.8
166.5°	2.2	2.0	2.1	2.1	2.3	2.8
167°	2.2	2.1	2.1	2.1	2.5	2.9
167.5°	2.3	2.0	2.2	2.2	2.5	2.9
168°	2.1	2.0	2.2	2.2	2.6	2.9
168.5°	2.3	2.2	2.4	2.2	2.7	2.9
169°	2.3	2.2	2.4	2.3	2.7	2.7
169.5°	2.4	2.2	2.3	2.6	2.7	2.9
170°	2.4	2.2	2.4	2.6	2.8	2.9
170.5°	2.5	2.2	2.4	2.5	2.8	2.9
171°	2.5	2.4	2.4	2.5	2.8	2.9
171.5°	2.7	2.3	2.6	2.6	2.9	2.9
172°	2.6	2.4	2.6	2.6	2.9	3.0
172.5°	2.6	2.4	2.6	2.6	2.8	2.8
173°	2.4	2.4	2.6	2.7	2.8	2.7
173.5°	2.4	2.4	2.7	2.7	2.8	2.7
174°	2.4	2.4	2.7	2.7	2.9	2.7
174.5°	2.4	2.4	2.6	2.7	2.9	2.6
175°	2.4	2.4	2.6	2.8	2.7	2.6
175.5°	2.4	2.4	2.6	2.9	2.7	2.6
176°	2.4	2.4	2.6	2.9	2.7	2.6
176.5°	2.4	2.4	2.6	2.9	2.8	2.5
177°	2.3	2.4	2.6	2.8	2.7	2.5
177.5°	2.4	2.4	2.6	2.8	2.4	2.5
178°	2.4	2.4	2.6	2.8	2.4	2.4
178.5°	2.5	2.4	2.7	2.8	2.4	2.6



TEST NUMBER: P417425

CATALOG NUMBER: SMD6R129SWH - 4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.3	2.3	2.3	2.3	2.3	2.3



Report Generated By E9808895 / USPTCWHP6082093







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







21.5°	399.7	399.1	398.5	397.9	399.3	399.4	399.4	400.2	400.2	401.1	401.5
22°	398.0	397.4	396.8	396.4	397.7	397.8	397.7	398.3	398.9	399.6	399.8



44°	296.4	295.4	294.8	294.3	296.2	296.2	296.7	297.4	298.3	299.1	300.0
44.5°	293.4	292.5	291.9	291.3	293.3	293.3	293.7	294.6	295.3	296.5	297.1



66.5°	148.1	146.9	146.0	145.6	146.7	147.0	147.5	148.5	149.5	150.6	151.3
67°	144.6	143.2	142.4	141.7	143.3	143.5	144.0	145.0	146.1	146.9	147.9



89°	4.2	3.0	2.3	1.9	3.8	4.3	5.1	5.7	6.3	6.6	7.1
89.5°	2.0	1.4	0.9	0.8	1.2	1.4	2.0	3.1	4.0	4.4	4.9





111.5°	0.8	0.7	0.7	0.7	0.9	0.7	0.6	0.5	0.5	0.3	0.8
112°	0.9	0.7	0.7	0.7	0.9	0.7	0.7	0.4	0.5	0.8	0.8



134°	1.3	1.1	1.2	1.1	1.3	1.1	1.0	1.0	1.2	0.8	1.0
134.5°	1.3	1.1	1.2	1.1	1.3	1.1	1.0	1.0	1.2	0.9	1.0



156.5°	2.3	2.1	1.9	2.0	2.0	1.9	1.6	1.9	2.1	2.2	1.8
157°	2.3	2.2	2.0	2.0	2.0	1.9	1.6	1.9	2.1	2.2	1.9



179°	2.6	2.4	2.7	3.0	3.2	3.1	3.1	2.9	2.7	2.4	2.4
179.5°	2.4	2.4	2.7	3.1	3.2	3.1	3.1	2.9	2.6	2.4	2.4





21.5°	401.7	402.1	401.5	401.1	400.3	399.7
22°	400.2	400.5	399.8	399.5	398.9	398.0



44°	300.3	299.6	299.1	298.6	297.6	296.4
44.5°	297.6	296.7	296.1	295.6	294.6	293.4



66.5°	152.0	151.7	151.4	150.6	149.5	148.1
67°	148.4	148.0	147.8	147.0	145.8	144.6





89°	7.3	6.0	6.0	5.9	5.1	4.2
89.5°	5.1	3.7	3.6	3.1	2.6	2.0



111.5°	0.5	0.7	0.6	0.6	0.5	0.8
112°	0.5	0.7	0.6	0.6	0.5	0.9



134°	1.0	1.2	1.2	1.1	1.1	1.3
134.5°	0.8	1.2	1.2	1.1	1.1	1.3



156.5°	1.7	2.0	2.1	1.6	2.0	2.3
157°	1.7	2.0	2.1	1.6	2.0	2.3



179°	2.6	2.9	2.9	2.9	2.4	2.6
179.5°	2.6	3.0	3.0	2.9	2.6	2.4



(END OF REPORT)