

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: P417422

Luminaire Tested: **SMD6R129SWH - 2700K**

Issue Date: 11/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P417422  
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 - 2700K  
Description: SMD SELECTABLE CCT 2700K  
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1194.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 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

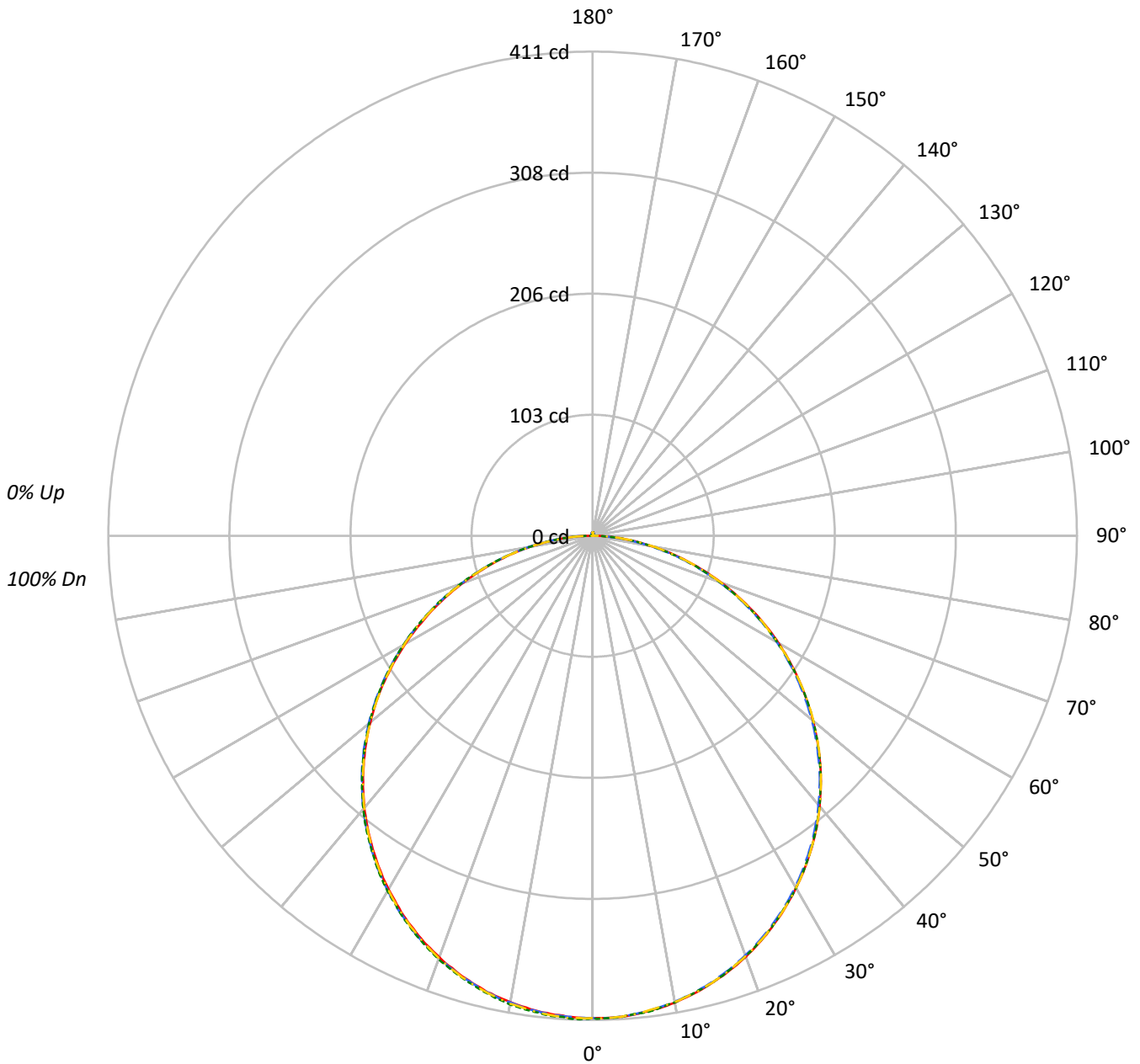
Input Watts (W): 14.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**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°	22443	22443	22443	22443
5°	22452	22419	22430	22513
10°	22400	22389	22383	22495
15°	22293	22287	22316	22378
20°	22186	22145	22209	22309
25°	22017	21999	22084	22169
30°	21851	21858	21927	22035
35°	21670	21656	21763	21857
40°	21447	21433	21562	21662
45°	21165	21157	21305	21413
50°	20827	20844	20997	21108
55°	20434	20415	20644	20750
60°	19998	19856	20130	20338
65°	19367	19198	19548	19782
70°	18577	18368	18785	19090
75°	17601	17305	17898	18279
80°	16164	15943	16890	17142
85°	14341	14089	15788	15913



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.8	3.2
10°-20°	110.9	9.3
20°-30°	168.1	14.1
30°-40°	203.1	17.0
40°-50°	211.4	17.7
50°-60°	192.1	16.1
60°-70°	148.4	12.4
70°-80°	88.6	7.4
80°-90°	27.0	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°	0.8	0.1
150°-160°	0.8	0.1
160°-170°	0.6	0.1
170°-180°	0.2	0.0
0°-30°	317.8	26.6
0°-40°	520.9	43.6
0°-60°	924.3	77.4
0°-90°	1188.3	99.5
90°-120°	1.7	0.1
90°-150°	4.1	0.3
90°-180°	6.0	0.5
0°-180°	1194.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	409	409	409	409	409	
5°	408	407	408	409	408	39
15°	393	393	393	394	393	111
25°	364	364	365	366	364	168
35°	324	324	325	327	324	203
45°	273	273	275	276	273	211
55°	214	214	216	217	214	191
65°	149	148	151	152	149	148
75°	83	82	84	86	83	88
85°	23	22	25	25	23	24
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	1	1	1	2	1
155°	2	2	2	2	2	1
165°	2	2	3	2	2	1
175°	2	3	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	409.4	409.4	409.4	409.4	409.4	409.4	409.4	409.4	409.4	409.4	409.4
0.5°	409.4	409.4	409.7	409.6	410.0	409.6	409.6	409.7	409.5	409.5	409.7
1°	409.4	409.4	409.7	409.6	409.9	409.4	409.6	409.7	409.5	409.5	409.1
1.5°	409.4	409.5	409.6	409.5	409.7	409.4	409.6	409.7	409.3	409.3	409.2
2°	409.4	409.5	409.6	409.3	409.7	409.4	409.6	409.4	409.1	409.2	408.9
2.5°	409.4	409.3	409.4	409.1	409.6	409.2	409.3	409.4	408.9	409.2	408.8
3°	409.2	409.1	409.0	408.9	409.5	409.0	409.1	409.0	408.9	409.2	408.7
3.5°	409.0	408.7	408.5	408.6	409.3	408.8	408.9	408.6	408.0	409.0	408.6
4°	408.8	408.4	408.3	408.3	408.2	408.5	408.2	408.5	407.8	408.5	408.4
4.5°	408.4	408.1	408.0	407.9	408.0	408.1	407.7	408.1	407.8	408.4	408.0
5°	408.0	407.8	407.7	407.5	407.4	407.8	407.7	407.5	407.6	408.0	407.8
5.5°	407.6	407.2	407.2	407.0	407.3	406.9	407.2	407.2	407.0	407.3	407.4
6°	406.9	406.8	406.7	406.7	407.2	406.3	406.7	407.0	406.7	406.8	407.1
6.5°	406.4	406.3	406.2	406.1	407.1	406.1	406.0	406.9	406.3	406.3	406.6
7°	406.0	405.9	405.5	405.5	406.4	405.8	405.3	406.0	405.7	406.0	406.0
7.5°	405.4	405.2	404.9	405.0	406.1	405.1	404.9	404.8	405.2	405.3	405.8
8°	405.0	404.6	404.4	404.3	404.8	404.2	404.1	404.5	404.5	405.0	405.1
8.5°	404.4	404.0	403.8	403.7	404.1	403.8	403.8	403.6	404.0	404.3	404.5
9°	403.8	403.3	403.1	402.9	403.3	403.2	403.2	403.0	403.4	403.7	403.9
9.5°	403.1	402.6	402.5	402.4	402.6	402.1	402.4	402.5	402.7	403.1	402.9
10°	402.4	401.9	401.6	401.5	402.2	401.5	401.8	401.9	402.1	402.2	402.2
10.5°	401.5	401.2	400.8	400.4	401.4	400.7	401.2	401.0	401.3	400.9	401.8
11°	400.5	400.3	400.0	399.7	400.3	399.7	400.2	400.5	400.4	400.6	401.1
11.5°	399.8	399.5	399.2	398.9	399.1	399.1	399.3	399.7	399.7	400.3	400.6
12°	398.9	398.5	398.3	397.8	398.6	398.4	398.4	399.2	399.0	399.1	399.4
12.5°	397.9	397.5	397.3	397.2	397.6	397.2	397.6	398.1	397.9	398.4	398.5
13°	397.1	396.7	396.4	396.1	396.5	396.1	396.8	397.4	397.5	398.0	397.7
13.5°	396.1	395.6	395.2	395.1	395.8	395.1	395.8	396.9	396.3	397.2	396.5
14°	395.1	394.7	394.3	394.0	394.8	394.4	394.6	395.7	395.0	395.7	395.7
14.5°	393.9	393.5	393.1	392.7	393.7	393.3	393.6	394.7	394.2	394.9	394.6
15°	392.8	392.4	392.0	391.8	392.7	392.5	392.7	393.4	393.2	393.4	393.5
15.5°	391.7	391.3	390.8	390.6	391.3	391.0	391.4	391.7	391.9	392.3	392.4
16°	390.5	390.0	389.5	389.5	390.1	389.8	390.2	390.5	390.9	391.4	391.3
16.5°	389.4	388.9	388.3	388.3	389.3	388.8	389.1	389.5	389.9	390.1	390.3
17°	388.2	387.7	387.2	386.7	387.7	387.7	387.9	388.2	388.7	388.8	389.2
17.5°	386.9	386.5	386.0	385.5	386.4	386.2	386.5	387.3	387.2	387.9	387.8
18°	385.6	385.1	384.6	384.2	385.2	384.9	385.2	385.8	385.8	386.5	386.6
18.5°	384.3	383.7	383.1	382.7	383.7	383.5	383.8	384.2	384.8	385.5	385.5
19°	382.9	382.4	381.8	381.6	382.7	382.2	382.5	382.5	383.5	384.3	384.0
19.5°	381.6	381.1	380.5	380.1	381.1	381.0	381.2	381.5	382.2	382.7	382.8
20°	380.3	379.6	379.0	378.7	379.6	379.5	379.7	380.1	380.7	381.5	381.6
20.5°	378.7	378.2	377.6	377.2	378.3	378.0	378.1	378.9	379.2	380.1	380.3
21°	377.2	376.6	376.1	375.8	376.9	376.6	376.9	377.3	377.7	378.4	378.7



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	372.5	372.0	371.4	371.2	372.2	372.0	372.2	372.7	373.5	374.1	374.3
23°	370.9	370.4	369.8	369.4	370.6	370.2	370.7	371.6	371.8	372.2	372.8
23.5°	369.4	368.7	368.1	367.8	369.1	368.6	369.1	370.0	370.3	370.6	371.3
24°	367.6	367.1	366.4	366.1	367.3	367.0	367.3	367.7	368.6	369.1	369.8
24.5°	365.9	365.3	364.8	364.4	365.7	365.2	365.6	365.9	366.6	367.3	368.1
25°	364.0	363.7	363.0	362.6	363.7	363.2	363.9	364.8	365.1	365.8	366.3
25.5°	362.3	361.9	361.2	360.8	362.0	361.6	362.3	362.9	363.6	363.9	365.0
26°	360.6	360.1	359.4	358.9	360.2	359.9	360.4	361.0	361.6	362.2	362.8
26.5°	358.8	358.3	357.5	357.2	358.3	358.4	358.5	359.2	360.0	360.3	360.9
27°	357.0	356.4	355.7	355.3	356.4	356.2	356.7	357.3	358.1	358.7	359.4
27.5°	355.1	354.4	353.8	353.5	354.5	354.3	354.8	356.0	356.0	356.8	357.6
28°	353.0	352.5	351.9	351.6	352.7	352.6	352.9	353.4	354.1	355.0	355.6
28.5°	351.0	350.7	350.0	349.6	350.7	350.7	350.9	351.5	352.1	353.0	353.7
29°	349.3	348.9	348.1	347.6	349.1	348.9	349.1	349.7	350.1	351.1	351.9
29.5°	347.3	346.8	346.1	345.6	347.2	347.1	347.2	348.1	348.3	349.3	349.7
30°	345.2	344.6	344.0	343.7	345.3	345.0	345.2	346.1	346.4	347.4	347.8
30.5°	343.3	342.6	342.0	341.7	343.1	342.9	343.2	343.7	344.4	345.2	345.8
31°	341.3	340.6	339.8	339.7	341.0	340.8	341.2	341.9	342.4	343.2	343.8
31.5°	339.2	338.5	337.8	337.5	339.0	338.8	339.0	340.1	340.5	341.2	341.7
32°	337.1	336.4	335.7	335.2	336.8	336.8	337.0	337.2	338.2	339.2	339.6
32.5°	334.9	334.2	333.5	333.2	334.6	334.6	334.8	335.4	336.0	336.9	337.7
33°	332.7	332.0	331.2	331.0	332.5	332.2	332.7	333.5	334.0	334.5	335.6
33.5°	330.5	329.7	329.0	328.6	330.3	330.1	330.5	331.3	331.8	332.4	333.1
34°	328.4	327.6	326.8	326.4	328.2	327.9	328.3	328.9	329.5	330.2	330.8
34.5°	326.1	325.3	324.5	324.4	325.8	325.8	326.0	326.8	327.3	328.1	328.7
35°	323.8	323.1	322.2	321.9	323.6	323.3	323.7	324.5	325.2	325.7	326.5
35.5°	321.5	320.9	320.0	319.5	321.4	321.0	321.4	322.4	322.7	323.6	324.0
36°	319.1	318.4	317.7	317.3	319.0	319.3	319.1	320.1	320.4	321.4	321.9
36.5°	316.9	316.1	315.3	315.0	316.6	316.8	316.8	317.5	318.1	319.1	319.5
37°	314.5	313.8	312.9	312.5	314.3	314.3	314.6	315.3	316.0	316.5	317.0
37.5°	312.2	311.3	310.6	310.1	311.9	311.8	312.2	313.0	313.4	314.4	315.0
38°	309.7	308.9	308.0	307.7	309.4	309.2	309.7	311.0	311.0	312.2	312.4
38.5°	307.3	306.4	305.6	305.0	307.0	306.7	307.2	308.6	308.6	309.7	310.0
39°	304.8	303.9	303.1	302.6	304.5	304.4	304.8	305.6	306.2	307.1	307.6
39.5°	302.2	301.3	300.8	300.3	302.1	301.9	302.4	302.9	303.8	304.6	305.1
40°	299.7	298.7	298.0	297.8	299.5	299.5	299.8	300.5	301.3	302.1	302.6
40.5°	297.0	296.3	295.7	295.1	296.9	296.9	297.3	298.1	298.8	299.3	300.3
41°	294.5	293.8	293.0	292.5	294.3	294.2	294.6	295.5	296.2	296.8	297.7
41.5°	291.9	291.1	290.4	289.8	291.6	291.8	292.0	292.8	293.4	294.3	295.0
42°	289.3	288.4	287.6	287.4	289.0	289.0	289.3	290.1	290.9	291.8	292.4
42.5°	286.6	285.7	285.3	284.6	286.4	286.3	286.8	287.5	288.4	289.2	289.7
43°	284.1	283.2	282.7	282.1	283.9	283.7	284.0	284.9	285.6	286.7	287.2
43.5°	281.3	280.4	279.9	279.4	281.1	281.1	281.5	282.2	283.1	283.9	284.4



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	273.0	272.1	271.6	271.3	272.9	272.9	273.3	274.1	274.8	275.8	276.5
45.5°	270.2	269.3	268.6	268.1	270.1	270.0	270.6	271.2	272.2	273.1	273.7
46°	267.5	266.5	265.7	265.6	267.3	267.1	267.5	268.4	269.2	270.3	271.0
46.5°	264.4	263.7	263.0	262.6	264.5	264.4	264.9	265.3	266.5	267.5	268.2
47°	261.6	260.7	260.1	259.9	261.7	261.5	261.8	262.8	263.6	264.7	265.5
47.5°	258.9	257.9	257.1	256.8	258.8	258.5	259.1	259.9	260.6	261.8	262.5
48°	256.0	254.9	254.2	254.2	255.9	255.7	256.2	257.0	258.0	258.8	259.6
48.5°	253.1	252.0	251.4	251.2	253.1	252.9	253.4	254.2	255.0	256.0	256.8
49°	250.2	249.2	248.6	248.3	250.3	250.1	250.6	251.3	252.3	253.2	253.9
49.5°	247.2	246.3	245.7	245.2	247.3	247.2	247.7	248.5	249.3	250.5	251.0
50°	244.2	243.3	242.7	242.3	244.4	244.4	244.8	245.8	246.2	247.6	248.1
50.5°	241.1	240.3	239.5	239.2	241.4	241.3	241.7	242.7	243.5	244.6	245.2
51°	238.2	237.4	236.5	236.2	238.4	238.3	238.7	239.7	240.3	243.1	242.3
51.5°	235.1	234.3	233.6	233.2	235.5	235.3	235.8	236.6	237.4	238.4	239.2
52°	232.1	231.2	230.6	230.3	232.4	232.4	232.9	233.7	234.4	235.2	236.1
52.5°	229.0	228.1	227.4	227.1	229.3	229.3	229.7	230.7	231.5	232.3	233.1
53°	226.0	225.1	224.4	223.9	226.2	226.2	226.5	227.6	228.4	229.4	230.2
53.5°	222.9	222.1	221.2	221.0	223.1	223.2	223.5	224.4	225.4	226.3	227.1
54°	219.7	218.9	218.2	217.8	219.9	220.0	220.3	221.2	222.2	223.0	223.9
54.5°	216.9	215.9	215.3	214.8	216.7	216.8	217.1	218.2	219.1	219.8	220.9
55°	213.8	212.8	212.1	211.6	213.6	213.7	214.0	215.0	216.0	217.0	217.7
55.5°	210.7	209.7	209.0	208.6	210.3	210.4	210.8	211.8	212.6	213.8	214.5
56°	207.6	206.5	205.8	205.4	207.0	207.2	207.5	208.5	209.3	210.5	211.2
56.5°	204.4	203.3	202.7	202.2	203.8	204.1	204.3	205.3	206.1	207.4	208.0
57°	201.2	200.2	199.5	199.1	200.7	200.7	201.2	202.1	202.9	204.1	204.9
57.5°	198.1	197.0	196.3	196.0	197.4	197.5	197.9	198.8	199.9	200.9	201.7
58°	194.9	194.0	193.1	192.7	194.3	194.3	194.8	195.6	196.5	197.7	198.5
58.5°	191.9	190.7	189.9	189.4	191.0	191.0	191.4	192.5	193.3	194.5	195.2
59°	188.6	187.6	186.8	186.1	187.6	187.8	188.2	189.2	190.1	190.9	192.0
59.5°	185.5	184.4	183.6	183.0	184.4	184.6	184.9	185.9	186.7	187.9	188.8
60°	182.4	181.3	180.5	179.7	181.1	180.9	181.7	182.6	183.6	184.8	185.5
60.5°	179.1	178.0	177.2	176.3	177.7	177.8	178.3	179.4	180.4	181.5	182.3
61°	175.9	174.7	173.9	173.1	174.4	174.5	175.0	175.9	177.0	178.2	179.1
61.5°	172.6	171.5	170.6	169.9	171.2	171.2	171.6	172.6	173.7	174.9	175.7
62°	169.3	168.2	167.3	166.5	167.9	168.0	168.3	169.4	170.4	171.7	172.4
62.5°	165.9	164.8	164.0	163.0	164.6	164.5	165.1	166.0	167.1	168.4	169.0
63°	162.6	161.6	160.5	159.8	161.2	161.2	162.0	162.7	163.7	165.0	165.8
63.5°	159.2	158.2	157.2	156.6	157.9	158.1	158.5	159.4	160.4	161.5	162.4
64°	156.0	154.7	153.8	153.2	154.7	154.6	155.2	156.1	157.2	158.0	159.1
64.5°	152.6	151.6	150.5	149.9	151.4	151.4	151.9	152.8	153.8	154.9	155.5
65°	149.3	148.2	147.2	146.7	148.0	148.1	148.7	149.6	150.7	151.7	152.4
65.5°	146.0	144.8	144.0	143.3	144.7	145.0	145.4	146.3	147.4	148.4	149.1
66°	142.6	141.4	140.6	139.7	141.4	141.7	142.1	142.9	143.9	145.0	145.7





TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	132.5	131.2	130.6	129.7	131.3	131.9	132.1	132.9	134.0	134.9	135.7
68°	129.1	128.0	127.2	126.5	127.9	128.0	128.7	129.5	130.5	131.6	132.2
68.5°	125.8	124.7	123.8	123.2	124.7	124.5	125.3	126.2	127.1	128.2	128.8
69°	122.5	121.3	120.4	119.9	121.2	121.4	121.9	123.0	123.7	124.6	125.5
69.5°	119.3	118.0	117.2	116.7	117.9	118.0	118.6	119.6	120.4	121.4	122.2
70°	115.9	114.8	113.8	113.0	114.6	114.7	115.4	116.2	117.2	118.2	118.9
70.5°	112.6	111.5	110.6	109.6	111.2	111.5	112.1	112.8	113.9	115.0	115.6
71°	109.3	108.1	107.1	106.3	107.7	108.1	108.5	109.5	110.5	111.6	112.2
71.5°	106.0	104.8	103.9	103.4	104.4	104.8	105.3	106.2	107.2	108.2	108.8
72°	102.6	101.5	100.6	99.7	101.0	101.2	101.9	103.0	103.9	104.8	105.6
72.5°	99.4	98.2	97.2	96.3	97.7	98.0	98.7	99.6	100.5	101.5	102.3
73°	96.1	94.9	93.9	93.2	94.5	94.6	95.4	96.4	97.2	98.3	98.9
73.5°	92.9	91.5	90.5	89.6	91.4	91.4	92.3	93.2	94.2	95.1	95.7
74°	89.5	88.3	87.1	86.3	88.1	88.3	89.0	90.0	91.0	91.8	92.6
74.5°	86.3	85.0	84.0	83.5	84.8	85.0	85.8	86.8	87.7	88.6	89.2
75°	83.1	81.9	80.9	79.8	81.7	81.8	82.6	83.6	84.5	85.5	86.0
75.5°	79.9	78.6	77.6	76.7	78.5	78.7	79.6	80.5	81.5	82.3	82.9
76°	76.7	75.4	74.3	73.5	75.3	75.6	76.4	77.4	78.2	79.1	79.8
76.5°	73.4	72.1	71.0	70.4	72.1	72.4	73.2	74.1	75.0	75.9	76.5
77°	70.2	68.9	67.8	67.3	69.0	69.2	70.0	71.0	71.8	72.7	73.3
77.5°	67.1	65.7	64.7	63.7	65.9	66.2	66.9	67.8	68.7	69.6	70.3
78°	63.8	62.5	61.5	60.8	62.7	63.1	63.8	64.8	65.6	66.4	67.2
78.5°	60.7	59.3	58.4	57.5	59.6	59.9	60.7	61.5	62.5	63.3	64.1
79°	57.4	56.1	55.2	54.8	56.5	56.8	57.6	58.5	59.4	60.2	60.9
79.5°	54.4	52.9	52.0	51.4	53.6	53.8	54.7	55.5	56.3	57.1	57.8
80°	51.2	50.1	49.0	48.9	50.5	50.8	51.7	52.6	53.5	54.2	54.8
80.5°	48.2	47.0	45.9	45.6	47.6	48.0	48.8	49.7	50.5	51.2	52.0
81°	45.1	44.0	43.1	42.6	44.7	45.1	45.9	46.8	47.5	48.2	48.9
81.5°	42.3	41.1	40.1	39.7	41.7	42.2	42.9	43.7	44.6	45.1	45.9
82°	39.3	38.2	37.4	36.9	38.8	39.2	40.0	40.9	41.6	42.2	43.0
82.5°	36.3	35.3	34.3	34.1	36.0	36.3	37.1	38.1	38.8	39.4	40.2
83°	33.8	32.4	31.6	31.6	33.2	33.6	34.4	35.3	36.0	36.8	37.3
83.5°	30.9	29.7	28.9	28.4	30.4	30.8	31.6	32.4	33.3	33.9	34.5
84°	28.1	26.8	26.2	25.8	27.6	28.1	28.7	29.6	30.5	31.1	31.7
84.5°	25.5	24.2	23.4	23.2	25.0	25.4	26.2	27.0	27.7	28.3	29.0
85°	22.8	21.7	21.0	20.9	22.4	22.8	23.7	24.4	25.1	25.7	26.2
85.5°	20.3	19.2	18.3	17.9	19.9	20.4	21.1	21.6	22.5	23.0	23.6
86°	17.9	16.6	15.9	15.6	17.4	17.8	18.5	19.3	20.1	20.7	21.2
86.5°	15.3	14.2	13.3	13.0	14.9	15.3	16.1	16.9	17.6	18.0	18.6
87°	12.8	11.7	11.0	10.7	12.5	13.0	13.7	14.2	15.1	15.7	16.1
87.5°	10.4	9.5	8.7	8.3	10.2	10.5	11.2	11.7	12.7	13.2	13.6
88°	8.3	7.3	6.5	6.0	7.9	8.4	9.1	9.7	10.3	10.8	11.3
88.5°	6.1	5.2	4.3	3.8	5.8	6.2	6.8	7.6	8.1	8.4	8.9



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.8	0.7	0.5	0.4	0.4	0.4	0.4	0.8	1.3	1.9	2.5
90.5°	0.6	0.6	0.5	0.3	0.5	0.4	0.2	0.2	0.3	0.6	0.6
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°	0.6	0.6	0.5	0.2	0.4	0.4	0.1	0.2	0.3	0.1	0.5
92°	0.6	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	0.3	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	0.4	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	0.4	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	0.8	0.6	0.5	0.5	0.4	0.5	0.3	0.6
104.5°	0.5	0.5	0.5	0.8	0.6	0.5	0.5	0.4	0.5	0.3	0.6
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	0.6	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	0.6	0.8	0.6	0.5	0.5	0.5	0.5	0.3	0.6
107°	0.6	0.6	0.6	0.8	0.6	0.6	0.5	0.5	0.5	0.3	0.6
107.5°	0.7	0.6	0.6	0.4	0.6	0.6	0.5	0.5	0.5	0.4	0.6
108°	0.7	0.7	0.6	0.5	0.6	0.6	0.5	0.6	0.5	0.6	0.6
108.5°	0.6	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6
109°	0.6	0.6	0.6	0.6	0.7	0.6	0.5	0.5	0.5	0.4	0.6
109.5°	0.8	0.6	0.6	0.6	0.7	0.6	0.5	0.4	0.5	0.4	0.6
110°	0.8	0.6	0.6	0.6	0.7	0.6	0.5	0.4	0.6	0.3	0.7
110.5°	0.8	0.7	0.6	0.6	0.8	0.7	0.5	0.4	0.5	0.4	0.7
111°	0.8	0.7	0.7	0.6	0.8	0.7	0.5	0.4	0.5	0.3	0.7



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.8	0.8	0.8	0.7	0.8	0.7	0.5	0.4	0.5	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	0.6	0.8	0.8	0.7	0.5	0.8	0.5	0.7
114°	0.8	0.7	0.9	0.8	0.8	0.8	0.6	0.5	0.7	0.4	0.8
114.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.5	0.7	0.8	0.8
115°	0.8	0.8	0.8	0.7	0.9	0.8	0.5	0.5	0.7	0.5	0.8
115.5°	0.8	0.8	0.8	0.9	0.8	0.8	0.5	0.5	0.7	0.7	0.8
116°	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.4	0.7	0.7	0.8
116.5°	0.9	0.8	0.8	0.6	0.8	0.8	0.5	0.4	0.7	0.7	0.8
117°	0.8	0.8	0.8	0.8	0.9	0.8	0.6	0.7	0.7	0.7	0.8
117.5°	1.0	0.9	0.9	0.6	0.9	0.8	0.6	0.8	0.7	0.7	0.8
118°	0.9	1.0	0.9	0.8	1.0	0.8	0.6	0.8	0.7	0.7	0.8
118.5°	0.9	0.9	0.8	0.9	1.0	0.8	0.6	0.8	0.7	0.7	0.8
119°	0.9	0.9	0.8	0.9	0.9	0.8	0.6	0.7	0.7	0.8	0.8
119.5°	0.9	0.9	0.8	0.8	0.9	0.8	0.7	0.6	0.8	0.8	0.8
120°	0.9	1.0	0.9	0.6	1.0	0.8	0.6	0.6	0.8	0.8	0.8
120.5°	0.9	1.0	0.9	0.7	1.0	0.9	0.6	0.7	0.8	0.8	0.8
121°	0.9	1.0	0.9	0.8	1.0	0.9	0.6	0.6	0.7	0.8	0.8
121.5°	1.0	1.1	0.9	0.8	1.0	1.0	0.8	0.7	0.9	0.8	0.9
122°	0.9	1.1	0.9	1.1	1.0	1.0	0.7	0.8	0.9	0.8	0.9
122.5°	0.9	1.0	0.9	1.0	1.0	0.9	0.7	0.6	0.8	0.8	0.9
123°	1.0	1.0	0.9	1.2	1.0	0.9	0.7	0.6	0.8	0.8	0.9
123.5°	1.0	1.0	1.0	1.2	1.0	0.9	0.6	0.9	0.8	0.8	0.9
124°	1.0	1.0	1.0	1.1	1.0	0.9	0.7	0.9	0.8	0.9	0.9
124.5°	1.0	1.0	1.0	1.1	1.0	0.9	0.7	0.9	0.8	0.9	0.9
125°	1.0	1.0	1.0	1.1	1.0	0.9	0.7	0.8	1.0	0.8	0.9
125.5°	1.1	1.0	1.0	1.1	1.0	0.9	0.6	0.8	1.0	0.8	0.9
126°	1.1	1.0	1.0	1.1	1.0	0.9	0.7	0.8	0.9	0.8	0.9
126.5°	1.0	1.0	1.0	1.2	1.0	1.0	0.8	0.6	0.9	0.8	0.9
127°	1.0	1.0	1.0	1.2	1.0	0.9	0.7	0.6	1.0	0.8	0.9
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	1.0	0.8	0.9
128°	1.0	1.0	1.0	1.1	1.1	1.0	0.7	0.8	1.0	0.8	0.9
128.5°	1.0	1.0	1.0	1.0	1.1	1.0	0.7	0.8	1.0	0.8	0.9
129°	1.0	1.0	1.0	1.0	1.1	1.0	0.7	0.7	0.9	0.9	0.9
129.5°	1.0	1.0	1.0	1.0	1.2	1.0	0.7	0.8	0.9	0.9	0.9
130°	1.0	1.0	1.0	1.0	1.1	1.0	0.8	0.8	0.9	0.9	0.9
130.5°	1.0	1.0	1.0	1.0	1.1	1.0	0.8	0.8	0.9	0.9	1.0
131°	1.0	1.0	1.3	1.0	1.1	1.0	0.8	0.8	1.0	1.0	1.0
131.5°	1.0	1.0	1.1	1.0	1.1	1.0	0.8	0.8	1.0	0.9	1.0
132°	1.1	1.0	1.1	1.0	1.1	1.0	0.8	0.8	1.0	1.0	1.0
132.5°	1.1	1.0	1.1	1.0	1.1	1.0	0.8	0.8	1.0	0.9	1.0
133°	1.1	1.0	1.1	1.0	1.1	1.0	0.8	0.8	1.0	0.9	1.0
133.5°	1.1	1.0	1.2	1.0	1.1	1.0	1.0	0.9	1.1	0.9	1.0



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.2	1.0	1.0	1.0	1.2	1.0	1.0	0.9	1.2	0.8	1.0
135.5°	1.2	1.0	1.2	1.0	1.2	1.0	1.0	0.9	1.2	0.8	1.0
136°	1.2	1.1	1.2	1.0	1.2	1.0	0.9	0.8	1.2	0.9	1.0
136.5°	1.2	1.1	1.2	1.0	1.2	1.0	0.8	0.7	1.2	0.9	1.0
137°	1.2	1.2	1.2	1.0	1.2	1.1	0.8	1.1	1.2	0.9	1.0
137.5°	1.2	1.2	1.5	1.0	1.2	1.1	0.9	0.9	1.3	1.0	1.1
138°	1.2	1.1	1.5	1.2	1.3	1.1	0.8	1.0	1.2	1.0	1.1
138.5°	1.2	1.2	1.5	1.2	1.3	1.2	0.8	0.8	1.2	1.0	1.0
139°	1.2	1.2	1.4	1.2	1.3	1.2	0.8	1.0	1.4	1.1	1.1
139.5°	1.2	1.2	1.4	1.3	1.3	1.1	0.8	1.1	1.4	1.1	1.1
140°	1.2	1.2	1.4	1.3	1.3	1.2	0.9	1.0	1.3	1.1	1.2
140.5°	1.2	1.2	1.4	1.2	1.3	1.2	0.9	1.0	1.3	1.2	1.2
141°	1.2	1.2	1.4	1.2	1.3	1.2	1.0	1.1	1.3	1.2	1.1
141.5°	1.2	1.2	1.4	1.2	1.3	1.2	0.8	1.1	1.3	1.2	1.1
142°	1.2	1.2	1.4	1.2	1.3	1.2	0.8	1.1	1.4	1.1	1.1
142.5°	1.3	1.2	1.4	1.2	1.3	1.2	0.8	1.1	1.4	1.0	1.1
143°	1.3	1.2	1.4	1.2	1.3	1.2	1.1	1.3	1.5	1.2	1.2
143.5°	1.3	1.2	1.4	1.3	1.3	1.2	1.0	1.2	1.5	1.2	1.2
144°	1.3	1.3	1.4	1.3	1.4	1.2	0.9	1.2	1.4	1.2	1.2
144.5°	1.5	1.3	1.4	1.3	1.4	1.2	1.0	1.2	1.4	1.3	1.2
145°	1.5	1.3	1.4	1.3	1.4	1.2	1.0	1.2	1.4	1.3	1.2
145.5°	1.6	1.4	1.5	1.3	1.4	1.2	1.0	1.2	1.4	1.3	1.2
146°	1.7	1.6	1.5	1.3	1.4	1.2	1.0	1.2	1.5	1.4	1.2
146.5°	1.7	1.6	1.4	1.3	1.5	1.2	1.0	1.2	1.4	1.4	1.2
147°	1.8	1.7	1.7	1.5	1.4	1.2	1.0	1.3	1.5	1.1	1.3
147.5°	1.9	1.7	1.7	1.5	1.4	1.2	1.0	1.3	1.5	1.4	1.3
148°	1.9	1.7	1.6	1.5	1.5	1.2	1.1	1.3	1.5	1.4	1.3
148.5°	1.9	1.7	1.6	1.7	1.5	1.4	1.2	1.3	1.5	1.4	1.3
149°	1.9	1.7	1.6	1.8	1.6	1.4	1.2	1.3	1.5	1.6	1.3
149.5°	1.9	1.9	1.6	1.8	1.6	1.4	1.2	1.3	1.5	1.7	1.3
150°	1.9	1.8	1.6	1.7	1.6	1.4	1.2	1.3	1.5	1.7	1.4
150.5°	2.0	1.8	1.7	1.7	1.6	1.4	1.2	1.3	1.5	1.7	1.4
151°	2.0	1.8	1.7	1.7	1.7	1.4	1.2	1.3	1.5	1.7	1.4
151.5°	2.0	1.8	1.7	1.7	1.6	1.5	1.2	1.3	1.5	1.8	1.4
152°	2.0	1.8	1.7	1.7	1.7	1.6	1.2	1.3	1.7	1.7	1.5
152.5°	2.0	1.8	1.7	1.7	1.7	1.6	1.3	1.3	1.7	1.8	1.5
153°	2.0	1.8	1.7	1.7	1.7	1.6	1.3	1.6	2.0	1.8	1.5
153.5°	2.0	1.9	1.7	1.7	1.7	1.6	1.3	1.5	1.8	1.8	1.5
154°	2.0	1.9	1.7	1.8	1.7	1.6	1.4	1.5	1.8	1.8	1.5
154.5°	2.1	1.9	1.7	1.8	1.7	1.7	1.4	1.7	1.9	2.0	1.5
155°	2.1	2.0	1.7	1.9	1.8	1.7	1.4	1.6	1.9	2.0	1.6
155.5°	2.2	2.0	1.9	1.9	1.8	1.7	1.4	1.6	2.1	1.9	1.7
156°	2.2	2.0	1.9	1.9	1.8	1.7	1.4	1.6	2.0	2.1	1.7



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.2	2.1	1.9	1.9	1.9	1.7	1.7	1.7	2.0	2.1	1.9
158°	2.2	2.1	1.9	1.9	1.9	1.7	1.6	1.9	2.1	2.1	1.9
158.5°	2.2	2.1	1.9	1.9	2.0	2.0	1.5	2.0	2.2	2.2	1.9
159°	2.2	2.1	2.0	1.9	2.0	2.0	1.7	2.0	2.2	2.2	1.9
159.5°	2.2	2.1	2.1	1.9	2.1	2.0	1.9	2.1	2.3	2.2	2.0
160°	2.2	2.2	2.0	1.9	2.1	2.1	1.9	2.1	2.3	2.2	2.1
160.5°	2.2	2.2	2.1	1.9	2.2	2.1	1.9	2.1	2.4	2.2	2.1
161°	2.2	2.2	2.1	2.0	2.2	2.1	2.0	2.1	2.4	2.2	2.1
161.5°	2.2	2.2	2.1	1.9	2.2	2.1	2.1	2.3	2.4	2.2	2.2
162°	2.4	2.2	2.1	1.9	2.2	2.1	2.1	2.3	2.4	2.4	2.2
162.5°	2.4	2.4	2.2	1.9	2.2	2.1	2.1	2.3	2.4	2.5	2.2
163°	2.4	2.4	2.2	1.9	2.2	2.1	2.0	2.3	2.4	2.5	2.2
163.5°	2.4	2.6	2.2	1.9	2.3	2.1	2.2	2.4	2.4	2.3	2.2
164°	2.4	2.6	2.2	1.9	2.4	2.4	2.1	2.4	2.4	2.4	2.2
164.5°	2.4	2.7	2.2	2.0	2.4	2.4	2.3	2.4	2.4	2.4	2.2
165°	2.5	2.7	2.2	2.0	2.4	2.3	2.3	2.4	2.6	2.6	2.2
165.5°	2.6	2.8	2.2	2.1	2.5	2.3	2.3	2.4	2.5	2.7	2.2
166°	2.6	2.9	2.2	2.1	2.6	2.3	2.4	2.4	2.5	2.8	2.2
166.5°	2.6	2.8	2.2	2.1	2.5	2.3	2.4	2.4	2.5	2.6	2.7
167°	2.7	2.8	2.2	2.1	2.6	2.4	2.4	2.4	2.5	2.7	2.5
167.5°	2.8	2.8	2.4	2.1	2.6	2.4	2.4	2.4	2.5	2.6	2.6
168°	2.8	2.7	2.3	2.1	2.7	2.4	2.4	2.4	2.5	4.2	2.4
168.5°	2.7	2.6	2.3	2.1	2.6	2.7	2.4	2.4	2.5	2.4	2.4
169°	2.6	2.6	2.3	2.1	2.6	2.7	2.4	2.4	2.5	2.4	2.3
169.5°	2.7	2.6	2.3	2.3	2.6	2.6	2.4	2.4	2.5	2.4	2.3
170°	2.8	2.6	2.3	2.2	2.6	2.6	2.4	2.4	2.5	2.2	2.2
170.5°	2.8	2.6	2.3	2.2	2.6	2.6	2.4	2.4	2.5	2.2	2.3
171°	2.8	2.6	2.4	2.2	2.6	2.6	2.4	2.4	2.5	2.4	2.3
171.5°	2.8	2.6	2.4	2.2	2.6	2.6	2.6	2.4	2.5	2.3	2.2
172°	2.8	2.5	2.3	2.2	2.6	2.6	2.6	2.4	2.5	2.4	2.2
172.5°	2.6	2.5	2.3	2.2	2.6	2.6	2.6	2.4	2.6	2.4	2.2
173°	2.6	2.6	2.2	2.2	2.6	2.6	2.6	2.4	2.6	2.4	2.2
173.5°	2.5	2.4	2.4	2.2	2.6	2.6	2.6	2.4	2.6	2.4	2.2
174°	2.6	2.4	2.4	2.2	2.6	2.6	2.6	2.4	2.6	2.4	2.2
174.5°	2.4	2.4	2.4	2.2	2.6	2.6	2.8	2.4	2.6	2.4	2.2
175°	2.4	2.4	2.4	2.2	2.6	2.6	2.7	2.4	2.3	2.4	2.2
175.5°	2.4	2.4	2.4	2.2	2.6	2.6	2.6	2.4	2.3	2.4	2.2
176°	2.5	2.4	2.4	2.2	2.6	2.6	2.6	2.4	2.2	2.1	2.2
176.5°	2.4	2.4	2.3	2.2	2.6	2.6	2.4	2.4	2.2	2.0	2.2
177°	2.4	2.4	2.4	2.2	2.6	2.7	2.5	2.4	2.2	2.0	2.2
177.5°	2.4	2.5	2.4	2.3	2.6	2.7	2.4	2.4	2.3	2.1	2.2
178°	2.3	2.3	2.2	2.6	2.8	2.8	2.7	2.4	2.3	2.0	2.2
178.5°	2.5	2.3	2.3	2.8	3.0	2.9	2.9	2.6	2.3	2.2	2.3



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 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: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	409.4	409.4	409.4	409.4	409.4	409.4
0.5°	409.6	410.1	410.1	409.6	409.7	409.4
1°	409.6	410.2	410.1	409.6	409.7	409.4
1.5°	409.8	410.6	410.1	409.6	409.7	409.4
2°	409.3	410.5	409.9	409.6	409.7	409.4
2.5°	409.2	410.4	409.7	409.6	409.4	409.4
3°	409.0	410.1	409.7	409.6	409.1	409.2
3.5°	408.9	409.3	409.4	409.5	409.0	409.0
4°	408.7	409.3	409.1	409.1	409.0	408.8
4.5°	408.3	409.3	408.6	408.8	408.6	408.4
5°	407.8	409.1	408.2	408.4	408.4	408.0
5.5°	407.5	408.7	408.0	408.1	408.1	407.6
6°	407.3	408.1	407.5	407.7	407.6	406.9
6.5°	406.9	407.5	407.2	407.2	406.6	406.4
7°	406.1	407.2	406.9	406.7	406.3	406.0
7.5°	405.8	406.7	406.2	406.1	406.0	405.4
8°	405.3	406.2	405.8	405.6	405.1	405.0
8.5°	404.8	405.8	405.0	405.0	404.8	404.4
9°	404.1	405.0	404.5	404.4	404.3	403.8
9.5°	403.1	404.7	403.9	403.8	403.4	403.1
10°	402.2	404.1	403.3	403.3	402.5	402.4
10.5°	401.8	403.0	402.4	402.1	401.8	401.5
11°	400.8	402.1	401.5	401.5	401.1	400.5
11.5°	400.5	401.5	400.7	400.9	400.2	399.8
12°	399.6	400.7	399.9	399.9	399.5	398.9
12.5°	398.9	399.5	399.1	398.9	398.5	397.9
13°	397.9	398.6	398.3	398.0	397.5	397.1
13.5°	397.0	397.8	397.4	396.9	396.5	396.1
14°	396.0	396.6	396.4	395.9	395.6	395.1
14.5°	394.9	395.4	395.2	395.0	394.5	393.9
15°	393.7	394.3	394.2	394.0	393.4	392.8
15.5°	392.7	393.4	393.0	392.8	392.3	391.7
16°	391.6	392.3	392.1	391.7	391.1	390.5
16.5°	390.5	391.2	390.8	390.6	389.9	389.4
17°	389.2	390.0	389.7	389.3	388.8	388.2
17.5°	388.1	388.8	388.3	388.0	387.5	386.9
18°	386.8	387.6	387.0	386.9	386.4	385.6
18.5°	385.7	386.2	385.8	385.6	385.0	384.3
19°	384.4	384.9	384.3	384.2	383.6	382.9
19.5°	383.1	383.7	383.0	382.8	382.5	381.6
20°	381.7	382.4	381.7	381.5	381.0	380.3
20.5°	380.4	380.9	380.3	380.0	379.5	378.7
21°	379.1	379.5	378.9	378.5	377.9	377.2



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	375.8	374.9	374.4	374.0	373.3	372.5
23°	373.0	373.3	372.9	372.4	371.7	370.9
23.5°	371.5	371.7	371.2	370.7	370.2	369.4
24°	369.8	370.0	369.6	369.0	368.5	367.6
24.5°	368.3	368.3	367.9	367.3	366.7	365.9
25°	366.8	366.5	366.1	365.8	365.0	364.0
25.5°	364.9	364.8	364.3	363.9	363.3	362.3
26°	363.3	363.1	362.6	362.1	361.5	360.6
26.5°	361.3	361.3	360.8	360.3	359.7	358.8
27°	359.5	359.5	359.0	358.5	357.9	357.0
27.5°	357.7	357.5	357.1	356.6	356.0	355.1
28°	355.8	355.5	355.2	354.8	354.1	353.0
28.5°	354.0	353.8	353.3	352.9	352.2	351.0
29°	351.8	351.8	351.4	350.9	350.3	349.3
29.5°	350.0	350.2	349.6	349.0	348.4	347.3
30°	348.0	348.1	347.7	347.0	346.3	345.2
30.5°	346.3	346.1	345.8	344.9	344.3	343.3
31°	344.2	344.1	343.6	342.8	342.2	341.3
31.5°	342.1	342.1	341.4	340.8	340.2	339.2
32°	339.9	340.1	339.4	338.8	338.2	337.1
32.5°	337.9	338.0	337.3	336.8	336.0	334.9
33°	335.7	335.6	335.1	334.5	333.8	332.7
33.5°	333.4	333.5	332.9	332.3	331.6	330.5
34°	331.2	331.1	330.6	330.1	329.4	328.4
34.5°	329.0	328.9	328.5	327.9	327.3	326.1
35°	326.9	326.6	326.1	325.6	325.0	323.8
35.5°	324.5	324.3	323.8	323.2	322.7	321.5
36°	322.2	321.9	321.5	320.9	320.3	319.1
36.5°	319.8	319.6	319.2	318.5	317.9	316.9
37°	317.4	317.5	316.9	316.4	315.5	314.5
37.5°	315.1	315.2	314.3	313.9	313.1	312.2
38°	312.7	312.7	312.0	311.4	310.6	309.7
38.5°	310.4	310.4	309.6	308.9	308.2	307.3
39°	308.0	307.8	307.1	306.4	305.6	304.8
39.5°	305.3	305.3	304.5	304.1	303.1	302.2
40°	302.9	302.7	302.0	301.6	300.6	299.7
40.5°	300.5	300.1	299.4	298.9	298.1	297.0
41°	298.1	297.4	296.8	296.4	295.4	294.5
41.5°	295.4	294.9	294.1	293.7	292.8	291.9
42°	292.8	292.4	291.7	291.2	290.1	289.3
42.5°	290.0	289.7	288.9	288.6	287.5	286.6
43°	287.5	286.9	286.3	285.8	284.9	284.1
43.5°	285.1	284.4	283.9	283.3	282.5	281.3





TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	276.9	276.2	275.5	275.1	274.2	273.0
45.5°	274.1	273.3	272.8	272.2	271.5	270.2
46°	271.4	270.6	269.9	269.5	268.4	267.5
46.5°	268.6	267.6	267.3	266.7	265.5	264.4
47°	265.9	265.0	264.4	263.8	262.7	261.6
47.5°	262.9	262.0	261.4	260.9	259.9	258.9
48°	260.0	259.0	258.5	257.9	256.9	256.0
48.5°	257.2	256.1	255.6	255.1	254.1	253.1
49°	254.2	253.1	252.6	252.2	251.1	250.2
49.5°	251.3	250.4	249.8	249.2	248.3	247.2
50°	248.6	247.5	246.7	246.3	245.1	244.2
50.5°	245.4	244.3	243.9	243.4	242.2	241.1
51°	242.7	241.5	240.8	240.4	239.3	238.2
51.5°	239.5	238.5	237.8	237.3	236.2	235.1
52°	236.6	235.5	234.9	234.4	233.2	232.1
52.5°	233.6	232.6	231.8	231.3	230.1	229.0
53°	230.6	229.5	228.7	228.3	227.1	226.0
53.5°	227.6	226.3	225.7	225.2	224.1	222.9
54°	224.6	223.1	222.6	222.0	221.0	219.7
54.5°	221.4	220.0	219.5	219.0	218.0	216.9
55°	218.2	217.1	216.5	216.0	215.0	213.8
55.5°	215.0	213.9	213.5	212.8	211.8	210.7
56°	211.9	210.8	210.4	209.8	208.7	207.6
56.5°	208.7	207.7	207.3	206.7	205.6	204.4
57°	205.5	204.6	204.1	203.5	202.4	201.2
57.5°	202.4	201.4	201.1	200.4	199.3	198.1
58°	199.2	198.2	197.9	197.2	196.2	194.9
58.5°	196.0	195.0	194.8	194.0	193.1	191.9
59°	192.8	191.8	191.6	190.9	189.9	188.6
59.5°	189.5	188.7	188.4	187.6	186.6	185.5
60°	186.4	185.5	185.2	184.5	183.5	182.4
60.5°	183.1	182.3	182.1	181.3	180.4	179.1
61°	179.7	179.1	178.8	178.2	177.1	175.9
61.5°	176.4	175.9	175.5	174.8	173.9	172.6
62°	173.0	172.6	172.2	171.5	170.5	169.3
62.5°	169.8	169.3	168.9	168.2	167.3	165.9
63°	166.4	166.0	165.6	164.9	164.0	162.6
63.5°	163.1	162.6	162.4	161.5	160.5	159.2
64°	159.6	159.2	159.0	158.3	157.1	156.0
64.5°	156.3	155.9	155.7	154.9	153.8	152.6
65°	152.9	152.5	152.4	151.7	150.6	149.3
65.5°	149.7	149.3	149.1	148.3	147.1	146.0
66°	146.2	145.9	145.7	145.0	143.9	142.6



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	136.3	135.7	135.5	134.8	133.7	132.5
68°	132.9	132.4	132.2	131.5	130.4	129.1
68.5°	129.5	129.1	128.8	128.2	127.1	125.8
69°	126.2	125.8	125.5	124.8	123.8	122.5
69.5°	122.9	122.4	122.1	121.4	120.4	119.3
70°	119.5	119.1	118.9	118.1	117.2	115.9
70.5°	116.2	115.8	115.5	115.0	114.0	112.6
71°	113.0	112.6	112.4	111.6	110.7	109.3
71.5°	109.6	109.2	109.0	108.4	107.4	106.0
72°	106.3	105.9	105.7	105.0	104.0	102.6
72.5°	103.0	102.5	102.5	101.8	100.7	99.4
73°	99.5	99.2	99.1	98.5	97.4	96.1
73.5°	96.4	96.0	95.9	95.3	94.2	92.9
74°	93.1	92.7	92.6	91.9	90.9	89.5
74.5°	89.8	89.4	89.3	88.7	87.6	86.3
75°	86.7	86.3	86.1	85.5	84.5	83.1
75.5°	83.6	83.0	83.0	82.3	81.3	79.9
76°	80.5	79.7	79.8	79.1	78.1	76.7
76.5°	77.2	76.6	76.5	75.9	74.8	73.4
77°	74.0	73.3	73.3	72.6	71.6	70.2
77.5°	70.8	70.1	70.0	69.5	68.4	67.1
78°	67.8	66.9	66.9	66.3	65.2	63.8
78.5°	64.6	63.8	63.7	63.1	61.9	60.7
79°	61.6	60.5	60.5	60.0	58.8	57.4
79.5°	58.3	57.3	57.3	56.7	55.6	54.4
80°	55.5	54.3	54.2	53.6	52.6	51.2
80.5°	52.5	51.1	51.1	50.6	49.5	48.2
81°	49.6	48.1	48.1	47.5	46.6	45.1
81.5°	46.6	45.0	45.1	44.6	43.5	42.3
82°	43.6	42.2	42.2	41.7	40.6	39.3
82.5°	40.7	39.2	39.1	38.7	37.8	36.3
83°	38.0	36.3	36.3	35.8	34.9	33.8
83.5°	35.1	33.5	33.5	33.1	32.1	30.9
84°	32.2	30.7	30.7	30.3	29.3	28.1
84.5°	29.5	27.9	28.0	27.5	26.6	25.5
85°	26.9	25.3	25.3	24.8	24.0	22.8
85.5°	24.2	22.6	22.7	22.4	21.4	20.3
86°	21.7	20.1	20.1	19.7	18.9	17.9
86.5°	19.0	17.5	17.6	17.1	16.3	15.3
87°	16.7	15.1	15.0	14.6	13.9	12.8
87.5°	14.2	12.5	12.6	12.2	11.5	10.4
88°	11.6	10.1	10.1	9.8	9.2	8.3
88.5°	9.2	7.8	7.8	7.5	7.0	6.1



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	2.7	1.7	1.6	1.4	1.0	0.8
90.5°	0.9	0.8	0.7	0.7	0.6	0.6
91°	0.2	0.6	0.6	0.6	0.6	0.6
91.5°	0.2	0.6	0.6	0.6	0.6	0.6
92°	0.3	0.6	0.6	0.6	0.6	0.6
92.5°	0.2	0.6	0.6	0.6	0.6	0.6
93°	0.1	0.6	0.6	0.6	0.5	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	0.6	0.6	0.6	0.5	0.5
105°	0.3	0.6	0.6	0.6	0.5	0.5
105.5°	0.3	0.6	0.6	0.6	0.5	0.5
106°	0.5	0.6	0.6	0.6	0.5	0.5
106.5°	0.4	0.6	0.6	0.6	0.5	0.5
107°	0.4	0.6	0.6	0.6	0.5	0.6
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	0.6
109°	0.5	0.8	0.6	0.6	0.5	0.6
109.5°	0.5	0.7	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: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.5	1.9	2.0	1.5	1.9	2.2
158°	1.5	1.9	2.0	1.5	1.9	2.2
158.5°	1.7	1.9	2.0	1.7	1.9	2.2
159°	1.5	1.9	2.0	1.8	1.9	2.2
159.5°	1.7	1.9	2.0	1.9	1.9	2.2
160°	1.7	1.9	2.0	1.9	1.9	2.2
160.5°	1.7	1.9	2.0	1.9	1.9	2.2
161°	1.7	1.9	2.0	1.9	1.9	2.2
161.5°	1.7	1.9	2.0	1.9	1.9	2.2
162°	1.7	1.9	2.0	1.9	2.0	2.4
162.5°	1.7	1.9	2.0	1.9	2.1	2.4
163°	1.7	1.9	2.0	1.9	2.1	2.4
163.5°	2.0	1.9	2.0	2.0	2.1	2.4
164°	1.9	1.9	2.0	1.9	2.1	2.4
164.5°	1.9	1.9	2.0	2.0	2.2	2.4
165°	2.0	1.9	2.0	2.0	2.2	2.5
165.5°	2.0	1.9	2.0	2.0	2.2	2.6
166°	2.1	1.9	2.0	2.0	2.2	2.6
166.5°	2.1	1.9	2.0	2.0	2.2	2.6
167°	2.1	2.0	2.0	2.0	2.4	2.7
167.5°	2.2	1.9	2.1	2.0	2.4	2.8
168°	2.0	1.9	2.1	2.1	2.5	2.8
168.5°	2.2	2.1	2.2	2.1	2.5	2.7
169°	2.2	2.1	2.2	2.2	2.5	2.6
169.5°	2.2	2.1	2.2	2.4	2.6	2.7
170°	2.2	2.1	2.2	2.4	2.6	2.8
170.5°	2.4	2.1	2.2	2.4	2.6	2.8
171°	2.4	2.2	2.2	2.4	2.6	2.8
171.5°	2.6	2.2	2.4	2.4	2.8	2.8
172°	2.4	2.2	2.4	2.4	2.8	2.8
172.5°	2.4	2.2	2.4	2.4	2.6	2.6
173°	2.2	2.2	2.4	2.6	2.6	2.6
173.5°	2.3	2.2	2.5	2.6	2.6	2.5
174°	2.2	2.2	2.5	2.5	2.7	2.6
174.5°	2.2	2.2	2.4	2.5	2.7	2.4
175°	2.2	2.2	2.4	2.7	2.6	2.4
175.5°	2.2	2.2	2.4	2.8	2.5	2.4
176°	2.2	2.2	2.4	2.8	2.5	2.5
176.5°	2.2	2.2	2.4	2.8	2.6	2.4
177°	2.2	2.2	2.4	2.6	2.6	2.4
177.5°	2.3	2.3	2.4	2.6	2.3	2.4
178°	2.3	2.3	2.4	2.6	2.3	2.3
178.5°	2.3	2.2	2.6	2.6	2.3	2.5



TEST NUMBER: P417422

CATALOG NUMBER: SMD6R129SWH - 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°	375.7	375.1	374.6	374.0	375.3	375.4	375.4	376.1	376.2	377.1	377.4
22°	374.1	373.6	373.0	372.7	373.8	373.9	373.8	374.4	375.0	375.7	375.8



44°	278.6	277.7	277.1	276.7	278.4	278.5	278.9	279.6	280.4	281.1	282.0
44.5°	275.8	275.0	274.4	273.8	275.7	275.7	276.1	276.9	277.5	278.7	279.3



66.5°	139.2	138.1	137.3	136.9	137.9	138.1	138.6	139.5	140.5	141.5	142.2
67°	135.9	134.6	133.8	133.2	134.7	134.9	135.4	136.3	137.3	138.1	139.0



89°	4.0	2.8	2.2	1.8	3.6	4.1	4.8	5.4	5.9	6.2	6.7
89.5°	1.9	1.3	0.9	0.8	1.1	1.3	1.9	3.0	3.8	4.1	4.6





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



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



156.5°	2.2	2.0	1.8	1.9	1.9	1.8	1.5	1.8	2.0	2.1	1.7
157°	2.2	2.1	1.9	1.9	1.9	1.8	1.5	1.8	2.0	2.1	1.8



179°	2.4	2.3	2.6	2.8	3.0	2.9	2.9	2.7	2.6	2.2	2.3
179.5°	2.3	2.2	2.6	2.9	3.0	2.9	2.9	2.7	2.5	2.3	2.2





21.5°	377.6	378.0	377.4	377.0	376.3	375.7
22°	376.2	376.4	375.8	375.5	374.9	374.1



44°	282.3	281.6	281.1	280.7	279.8	278.6
44.5°	279.7	278.9	278.3	277.9	276.9	275.8



66.5°	142.9	142.6	142.3	141.6	140.5	139.2
67°	139.5	139.2	138.9	138.2	137.1	135.9





89°	6.9	5.6	5.7	5.5	4.8	4.0
89.5°	4.8	3.5	3.4	3.0	2.4	1.9



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	0.8



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



156.5°	1.6	1.9	2.0	1.5	1.9	2.2
157°	1.6	1.9	2.0	1.5	1.9	2.2



179°	2.5	2.7	2.7	2.7	2.3	2.4
179.5°	2.5	2.8	2.8	2.7	2.4	2.3



(END OF REPORT)