

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: P579679

Luminaire Tested: **SMD14S209SWHE-EM - 2700K**

Issue Date: 11/23/2021



**Test Information**

Test Method: LM-41-14  
Report Number: P579679  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2110240A001)  
Test Lab:  
Issue Date: 11/23/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: SMD14S209SWHE-EM - 2700K  
Description: SMD SELECTABLE CCT 2700K  
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT  
Ballast/Driver: -

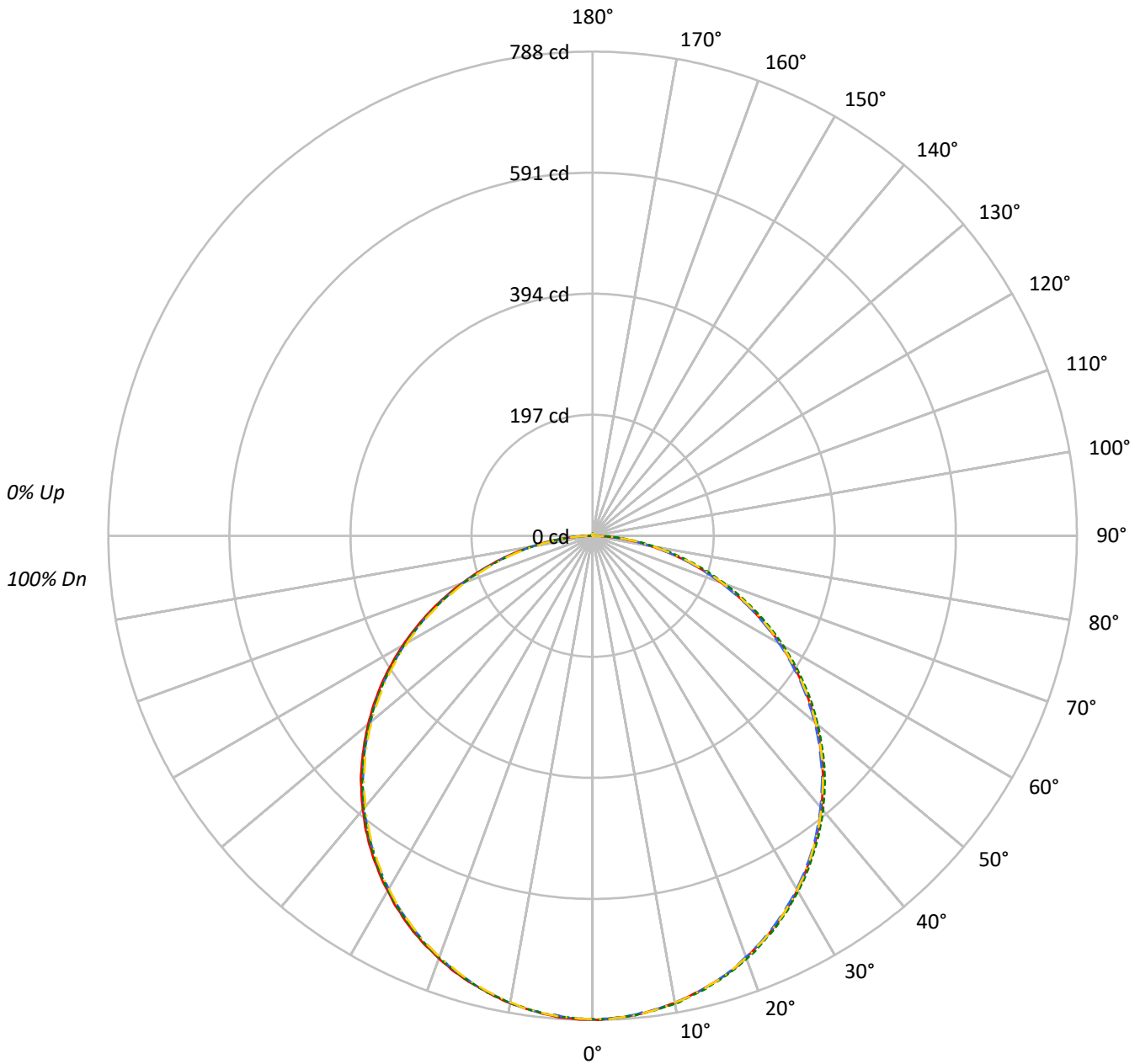
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2290.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 29.3  
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: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37																			
7	64	51	42	36	63	50	41	36	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	55	42	34	28	41	33	28	40	33	28	39	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24																			

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

	0°	90°	180°	270°
0°	8471	8471	8471	8471
5°	8463	8468	8466	8458
10°	8437	8453	8444	8438
15°	8402	8416	8413	8409
20°	8371	8391	8384	8369
25°	8327	8360	8348	8331
30°	8278	8308	8291	8277
35°	8215	8252	8242	8209
40°	8139	8196	8183	8139
45°	8050	8118	8097	8048
50°	7932	8011	7983	7929
55°	7788	7880	7856	7779
60°	7586	7720	7681	7593
65°	7325	7496	7445	7338
70°	6987	7226	7138	7002
75°	6538	6866	6742	6579
80°	5957	6434	6254	6044
85°	5150	5953	5681	5224



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.4	3.2
10°-20°	213.0	9.3
20°-30°	323.1	14.1
30°-40°	390.9	17.1
40°-50°	407.5	17.8
50°-60°	370.5	16.2
60°-70°	285.4	12.5
70°-80°	168.6	7.4
80°-90°	49.7	2.2
90°-100°	0.3	0.0
100°-110°	0.4	0.0
110°-120°	0.7	0.0
120°-130°	0.9	0.0
130°-140°	1.2	0.1
140°-150°	1.2	0.1
150°-160°	1.1	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	610.5	26.7
0°-40°	1001.4	43.7
0°-60°	1779.4	77.7
0°-90°	2283.1	99.7
90°-120°	1.4	0.1
90°-150°	4.7	0.2
90°-180°	7.0	0.3
0°-180°	2290.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	787	787	787	787	787	
5°	783	784	784	783	783	74
15°	754	755	755	755	754	213
25°	701	704	703	702	701	323
35°	625	628	627	625	625	391
45°	529	533	532	529	529	408
55°	415	420	419	414	415	371
65°	288	294	292	288	288	285
75°	157	165	162	158	157	166
85°	42	48	46	42	42	45
90°	1	4	3	0	1	3
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	1	1	1	1	1	1
125°	1	1	1	1	1	1
135°	2	2	1	2	2	1
145°	2	2	2	2	2	1
155°	3	3	2	3	3	1
165°	3	3	3	3	3	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
0.5°	788.0	786.7	785.9	787.5	787.1	787.5	787.0	787.1	787.5	787.0	787.2
1°	787.6	785.7	786.1	787.5	787.1	787.6	786.6	786.8	787.8	787.1	787.0
1.5°	786.7	785.5	786.2	786.7	786.9	786.6	787.1	787.5	787.7	786.8	786.2
2°	786.1	786.5	786.5	786.8	786.4	787.5	787.0	787.5	787.0	786.6	785.9
2.5°	785.5	786.1	785.8	787.3	785.8	787.2	786.1	787.0	786.7	786.1	785.5
3°	784.9	785.1	785.0	786.1	785.5	786.9	785.5	786.1	786.1	784.2	784.6
3.5°	785.1	784.5	785.1	785.5	785.0	785.8	785.0	786.6	785.8	784.3	784.5
4°	784.5	783.1	784.2	785.2	784.3	785.9	784.7	786.2	785.7	784.1	782.9
4.5°	783.8	783.4	783.1	784.6	784.1	784.9	784.4	785.5	784.7	784.0	782.2
5°	783.2	782.2	782.7	783.6	783.7	784.0	783.6	784.4	783.5	783.2	781.9
5.5°	782.2	781.7	781.6	782.6	782.4	783.6	782.8	783.6	782.7	782.6	781.6
6°	781.9	780.9	779.6	781.3	781.2	783.3	781.7	781.9	782.2	781.7	781.5
6.5°	780.4	779.7	778.9	781.5	780.8	782.4	780.3	781.9	780.7	780.7	779.9
7°	778.9	779.0	778.9	780.6	779.6	781.0	779.6	781.3	779.5	778.6	779.5
7.5°	778.4	778.0	777.6	779.7	778.9	780.1	778.5	780.1	778.2	777.7	778.6
8°	777.1	776.5	776.7	777.9	778.1	778.9	777.0	779.1	777.4	777.0	776.9
8.5°	775.6	775.0	775.5	777.1	776.4	777.6	775.7	777.8	776.3	775.8	774.9
9°	774.3	774.0	773.8	775.6	775.7	775.9	774.4	776.8	774.9	774.5	774.7
9.5°	772.7	773.0	773.0	774.3	774.4	774.7	772.9	774.9	773.9	773.5	773.3
10°	771.9	771.7	771.4	773.1	773.4	773.7	771.2	774.5	772.6	772.3	771.9
10.5°	770.5	770.1	769.9	771.9	772.4	771.4	770.2	772.2	771.5	770.5	770.5
11°	768.4	768.7	768.6	770.4	770.0	770.1	769.4	769.8	769.8	768.6	768.8
11.5°	766.8	767.3	767.3	768.9	767.9	768.9	767.4	768.8	767.6	767.2	767.0
12°	765.2	765.6	766.2	766.9	766.1	767.4	766.3	767.3	766.4	766.5	765.1
12.5°	763.2	764.2	764.4	765.1	764.6	765.6	763.3	765.9	764.5	764.4	763.2
13°	761.7	761.4	762.4	763.4	763.0	763.5	762.2	763.8	762.8	762.4	761.9
13.5°	760.0	759.5	760.5	761.5	761.6	761.5	760.4	761.7	760.3	760.7	759.6
14°	757.9	758.0	758.1	759.7	760.0	759.2	758.8	760.3	758.8	758.0	758.1
14.5°	755.9	755.9	756.2	757.9	757.3	757.7	755.6	757.4	756.5	756.4	756.7
15°	754.0	754.2	754.8	755.8	755.2	755.4	754.2	755.9	755.0	754.0	754.2
15.5°	752.2	751.9	752.4	753.1	753.5	753.6	752.5	753.3	753.4	751.6	751.4
16°	750.9	749.9	750.1	751.0	751.7	751.9	750.6	751.2	751.4	750.1	749.2
16.5°	748.3	748.2	747.8	749.0	749.1	749.8	748.1	748.7	749.0	748.2	747.1
17°	746.2	745.6	745.6	746.8	747.2	747.7	745.5	746.9	746.4	745.5	744.7
17.5°	743.8	742.6	743.0	744.6	745.0	745.4	743.7	745.0	744.9	742.9	742.8
18°	741.6	740.1	740.6	742.0	742.9	742.8	740.9	741.5	742.7	741.0	740.0
18.5°	739.3	737.6	737.8	739.7	740.5	740.1	738.4	740.2	739.4	738.3	737.9
19°	736.7	735.4	735.2	737.0	738.0	737.3	735.6	737.7	737.1	735.7	734.6
19.5°	733.5	733.0	731.9	734.1	735.2	734.8	733.3	734.8	734.8	733.4	732.3
20°	730.8	729.3	729.5	731.3	732.5	732.3	730.4	732.4	731.9	730.8	730.2
20.5°	727.7	726.5	726.9	728.6	730.1	730.0	727.8	729.3	729.5	727.2	727.1
21°	724.7	724.1	724.3	725.7	727.8	727.1	725.6	726.6	726.1	724.7	723.9



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	716.4	714.8	715.6	717.4	718.6	718.4	716.5	718.1	718.5	716.2	715.1
23°	713.8	712.3	712.3	714.8	715.4	715.4	713.8	714.9	715.3	713.0	712.4
23.5°	710.7	709.3	709.0	711.9	712.0	712.7	710.6	712.5	711.8	709.8	709.0
24°	707.5	706.3	705.9	708.7	709.9	709.1	707.1	709.6	709.5	707.2	706.1
24.5°	704.4	703.2	703.0	705.3	706.9	705.8	704.8	705.9	706.2	703.8	702.6
25°	701.1	699.9	699.5	702.3	703.9	702.6	700.6	702.8	702.9	700.2	699.3
25.5°	697.7	696.3	696.0	698.9	700.6	699.5	697.4	699.2	699.7	697.3	695.8
26°	694.5	693.0	692.7	695.3	696.7	696.2	694.5	695.8	696.8	693.8	692.8
26.5°	691.1	689.2	689.5	691.8	693.3	692.8	691.2	692.3	693.2	690.2	689.4
27°	687.8	685.9	686.0	688.8	690.5	689.4	687.8	689.1	689.2	687.4	686.1
27.5°	684.4	682.9	682.3	685.1	687.1	686.2	683.9	684.6	685.8	683.9	682.5
28°	680.9	679.1	678.8	681.1	683.0	682.5	680.1	681.6	682.8	679.8	679.1
28.5°	677.2	675.3	675.4	677.6	678.9	678.7	677.0	678.0	678.9	676.4	675.6
29°	673.5	671.3	671.8	674.1	675.9	674.9	673.6	674.6	675.0	673.3	672.5
29.5°	669.7	667.5	668.0	670.5	672.2	671.2	669.7	670.7	670.9	669.3	667.3
30°	666.0	664.0	664.0	666.8	668.4	667.4	666.2	667.0	667.1	665.5	664.0
30.5°	662.2	660.1	660.0	662.9	664.6	663.6	661.6	663.0	663.5	661.5	659.8
31°	658.4	656.2	655.9	659.0	660.8	659.5	657.4	659.3	660.2	657.6	656.1
31.5°	654.5	652.6	652.0	655.1	657.3	655.6	654.0	655.5	656.4	653.8	651.8
32°	650.3	648.4	648.2	650.9	653.3	651.7	650.1	651.7	652.1	650.3	648.1
32.5°	646.1	644.1	643.8	646.9	649.0	647.5	645.7	647.8	648.1	646.2	645.1
33°	641.8	639.9	639.7	642.5	645.2	643.5	641.6	643.8	643.8	641.5	640.9
33.5°	637.9	635.7	635.7	638.5	640.9	639.3	637.3	639.3	640.0	637.2	635.9
34°	633.7	631.5	631.8	634.1	636.7	635.1	632.9	635.2	636.3	633.1	631.2
34.5°	629.4	627.2	627.5	629.9	632.2	630.8	628.8	631.8	632.2	628.9	627.6
35°	625.2	622.9	623.0	625.7	628.0	626.6	624.5	628.1	627.2	624.6	623.2
35.5°	620.9	618.6	618.5	621.5	623.7	622.3	620.4	623.0	623.0	620.7	619.2
36°	616.4	614.2	614.4	617.1	619.6	618.1	616.0	618.6	619.1	616.1	614.9
36.5°	611.8	609.7	609.9	612.9	615.4	613.5	611.2	613.6	614.6	611.6	611.1
37°	607.4	604.9	605.1	608.2	610.9	609.2	606.7	609.1	609.6	607.7	605.8
37.5°	602.6	600.2	600.4	603.7	606.5	604.7	602.6	604.5	605.7	602.8	601.8
38°	597.9	595.7	595.8	598.8	601.8	599.9	598.0	599.7	601.3	598.8	596.9
38.5°	593.3	591.1	591.1	594.2	597.5	595.4	593.1	595.7	596.1	593.9	592.1
39°	588.6	586.4	586.6	589.5	592.9	590.9	588.6	590.5	591.2	589.1	587.9
39.5°	584.0	581.8	581.6	584.8	588.0	586.3	583.6	586.2	586.3	583.8	583.3
40°	579.2	576.9	576.8	579.7	583.3	581.2	578.5	581.3	582.4	579.2	578.1
40.5°	574.3	572.1	571.8	574.8	578.4	576.3	573.5	576.5	577.1	574.2	572.9
41°	569.3	567.1	567.0	569.7	573.4	571.9	569.0	571.6	572.6	569.6	568.2
41.5°	564.3	562.2	561.8	564.8	568.5	567.0	564.3	566.5	567.3	564.5	563.0
42°	559.2	557.1	556.9	559.6	563.8	562.0	559.1	561.3	562.4	559.3	558.5
42.5°	554.5	552.2	552.1	554.7	558.8	556.6	554.5	556.7	557.3	554.6	552.9
43°	549.5	547.2	547.3	549.4	553.8	551.7	549.6	551.8	552.5	549.6	547.6
43.5°	544.3	542.1	542.1	544.1	549.1	546.7	544.3	546.3	547.8	544.1	542.7



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	528.8	526.0	526.0	528.6	533.3	530.8	529.0	530.9	531.9	528.2	527.3
45.5°	523.7	520.9	520.7	523.3	527.9	525.5	523.3	525.2	526.6	522.7	522.4
46°	518.1	515.6	515.5	517.8	522.5	520.4	518.2	520.0	520.9	517.6	517.2
46.5°	512.8	510.5	510.0	512.3	517.2	515.3	513.1	514.4	515.9	512.9	511.6
47°	507.2	504.8	504.5	506.9	511.9	509.9	507.5	509.0	509.9	507.2	506.3
47.5°	501.7	499.4	499.1	501.5	506.1	504.1	502.0	503.9	504.4	501.2	500.2
48°	496.1	493.8	493.5	495.9	500.7	498.8	496.5	498.4	499.1	495.7	494.8
48.5°	490.7	488.2	488.0	490.5	495.1	493.3	490.5	492.7	493.4	490.7	489.1
49°	485.1	482.7	482.7	485.1	489.7	487.9	485.1	487.3	488.4	484.8	483.5
49.5°	479.5	477.1	477.3	479.4	484.0	482.3	479.7	481.7	482.5	479.6	477.8
50°	473.7	471.4	471.5	473.7	478.4	476.5	474.4	475.8	476.7	473.6	472.1
50.5°	468.1	465.6	465.3	467.8	472.5	470.7	468.4	470.3	471.2	468.1	466.4
51°	462.4	459.7	459.5	462.0	467.2	465.2	462.6	464.4	465.3	462.3	460.6
51.5°	456.4	453.9	453.6	456.2	461.6	459.5	457.1	459.1	459.8	456.9	455.0
52°	450.4	448.3	447.9	450.7	455.6	453.4	451.2	452.9	454.0	450.4	449.5
52.5°	444.8	442.1	441.9	444.5	449.9	447.9	445.5	447.4	448.3	444.5	443.4
53°	438.8	436.2	436.1	438.7	444.1	441.8	439.4	440.7	442.3	438.9	437.5
53.5°	432.7	430.2	430.2	433.0	438.1	435.9	433.7	435.1	435.8	432.9	431.5
54°	426.6	424.3	424.1	426.9	432.3	430.0	427.7	428.8	430.3	427.3	425.9
54.5°	420.9	418.6	418.1	421.0	426.4	424.0	421.7	422.8	424.6	421.3	420.2
55°	415.0	412.5	412.3	415.1	419.9	418.2	416.0	417.0	418.6	415.5	414.2
55.5°	408.8	406.3	406.0	408.8	414.0	412.2	409.7	411.0	412.3	409.0	408.1
56°	402.7	400.2	400.0	402.7	407.9	406.0	403.7	404.9	406.5	403.0	402.1
56.5°	396.5	393.9	393.8	396.5	401.8	400.0	397.6	398.8	400.1	397.0	395.8
57°	390.1	387.7	387.8	390.4	395.8	393.8	391.4	392.7	393.9	391.1	389.5
57.5°	384.3	381.4	381.6	384.3	389.6	387.7	385.1	386.5	387.7	384.9	383.2
58°	377.8	375.3	375.3	378.0	383.7	381.5	378.9	380.1	381.6	378.7	377.2
58.5°	371.4	369.0	368.9	371.7	377.4	375.3	373.1	373.6	375.5	372.6	370.9
59°	365.0	362.8	362.7	365.6	371.0	368.7	366.6	367.2	369.1	366.1	364.7
59.5°	358.7	356.5	356.5	359.1	364.5	362.7	360.1	361.2	363.0	359.8	358.1
60°	352.4	350.3	350.2	352.6	358.6	356.8	353.9	355.2	356.8	353.5	352.1
60.5°	345.9	344.0	343.8	346.0	352.2	350.3	347.8	348.7	350.7	347.3	345.6
61°	339.7	337.7	337.3	339.7	345.9	343.7	341.3	342.1	344.3	340.7	339.2
61.5°	333.3	331.2	331.1	333.2	339.5	337.2	334.7	335.9	337.4	334.5	333.0
62°	327.0	324.9	324.5	326.9	333.3	331.4	328.8	329.6	331.0	328.4	326.6
62.5°	320.5	318.4	318.1	320.6	327.0	324.8	322.2	323.3	324.5	321.9	319.9
63°	314.0	311.8	311.7	314.0	320.5	317.6	315.8	316.7	318.2	315.3	313.9
63.5°	307.5	305.3	305.4	307.4	314.0	311.7	309.4	310.4	311.8	308.9	307.3
64°	300.8	298.7	299.0	301.1	307.4	304.9	303.0	303.9	305.1	302.6	300.9
64.5°	293.9	292.2	292.5	294.7	300.6	298.7	296.4	297.5	298.8	296.1	294.3
65°	287.6	285.7	286.2	288.4	294.3	292.1	290.0	291.2	292.3	289.3	287.7
65.5°	281.3	279.2	279.6	282.0	287.8	285.8	283.5	284.9	285.9	283.4	281.5
66°	274.6	272.7	273.0	275.5	281.5	279.3	277.0	278.5	279.3	276.7	275.0





TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	254.9	253.0	253.2	255.7	262.0	259.9	257.4	258.7	259.8	256.6	255.4
68°	248.3	246.5	246.8	249.2	255.6	253.3	251.0	252.1	253.2	250.4	248.9
68.5°	241.7	240.0	240.3	242.8	249.1	246.8	244.6	245.5	246.7	243.9	242.5
69°	234.9	233.4	233.9	236.4	242.8	240.6	238.6	239.0	240.0	237.5	236.5
69.5°	228.4	226.8	227.3	229.7	235.9	233.9	231.5	232.3	233.5	230.9	229.6
70°	222.0	220.3	220.9	223.2	229.6	227.3	225.3	226.0	226.8	224.4	223.1
70.5°	215.2	214.1	214.5	216.8	223.4	221.1	219.3	219.5	220.4	218.1	216.7
71°	208.7	207.6	208.1	210.2	216.5	214.7	212.7	213.1	214.0	211.3	210.6
71.5°	202.2	201.0	201.7	203.7	210.1	208.1	206.1	206.6	207.5	205.1	204.2
72°	195.8	194.6	195.0	197.1	203.7	201.7	199.6	200.0	200.8	198.2	197.7
72.5°	189.1	188.2	188.6	190.5	197.4	195.4	193.3	193.6	194.1	192.0	191.1
73°	182.5	181.7	182.3	184.3	190.9	188.9	186.7	187.2	187.8	185.4	184.7
73.5°	176.3	175.4	175.9	177.9	184.4	182.4	180.5	180.7	181.4	179.2	178.6
74°	170.1	168.9	169.5	171.5	177.9	176.3	174.0	174.3	175.0	172.7	172.1
74.5°	163.6	162.5	163.2	165.0	171.6	169.9	167.6	167.8	168.6	166.5	165.6
75°	157.2	156.2	157.0	158.9	165.1	163.5	161.4	161.6	162.1	160.3	159.3
75.5°	150.9	150.2	150.8	152.6	159.1	157.2	155.2	155.3	156.0	153.9	153.3
76°	144.6	143.7	144.5	146.3	152.9	151.2	149.1	149.3	149.9	147.6	147.1
76.5°	138.4	137.6	138.4	139.8	146.4	144.9	142.7	143.1	143.5	141.5	140.8
77°	132.1	131.3	132.0	134.0	140.2	138.7	136.5	137.0	137.1	135.3	134.6
77.5°	126.0	125.2	126.2	128.0	134.2	132.6	130.4	130.5	131.0	129.4	128.7
78°	120.0	119.1	120.0	122.0	127.9	126.2	124.4	124.5	124.9	123.2	122.6
78.5°	114.0	113.2	114.3	116.2	122.0	120.5	118.4	118.3	118.9	117.2	116.8
79°	107.9	107.2	108.3	110.3	115.9	114.3	112.5	112.2	112.9	111.1	110.6
79.5°	102.1	101.3	102.4	104.4	110.0	108.4	106.6	106.3	106.7	105.2	104.8
80°	96.1	95.6	96.5	98.5	103.8	102.5	100.7	100.5	100.9	99.2	98.9
80.5°	90.5	89.9	90.7	92.6	98.1	96.6	94.9	94.8	95.1	93.4	93.3
81°	84.8	84.5	85.2	87.1	92.2	90.7	89.3	89.0	89.2	87.8	87.6
81.5°	79.2	78.9	79.8	81.5	86.6	85.2	83.7	83.5	83.5	82.0	82.0
82°	73.7	73.3	74.2	75.9	80.7	79.5	78.0	77.7	77.8	76.4	76.1
82.5°	68.1	67.7	68.6	70.2	75.1	74.0	72.2	72.3	72.2	71.0	70.8
83°	62.6	62.2	63.2	64.6	69.6	68.6	67.0	66.8	66.8	65.6	65.2
83.5°	57.3	56.9	57.8	59.2	64.3	63.0	61.6	61.4	61.5	60.2	59.7
84°	52.1	51.7	52.6	53.9	58.6	57.7	56.3	56.1	56.2	54.9	54.6
84.5°	46.9	46.6	47.4	48.6	53.3	52.6	51.1	51.0	51.1	49.9	49.4
85°	41.7	41.4	42.1	43.3	48.2	47.2	45.8	45.8	46.0	44.7	44.3
85.5°	36.8	36.6	37.3	38.1	42.9	42.1	41.0	40.8	40.9	39.6	39.2
86°	31.9	31.6	32.3	33.1	37.9	37.1	35.9	35.9	36.1	34.8	34.4
86.5°	27.3	26.9	27.6	28.3	33.0	32.3	31.2	31.2	31.3	30.0	29.6
87°	22.8	22.7	23.0	23.7	28.0	27.5	26.5	26.5	26.5	25.3	24.8
87.5°	18.6	18.4	18.8	19.3	23.1	22.6	21.9	22.1	22.1	20.9	20.5
88°	14.5	14.3	14.7	15.1	18.8	18.4	17.7	17.7	17.8	16.7	16.2
88.5°	10.6	10.5	10.8	11.1	14.3	14.2	13.6	13.5	13.6	12.5	12.0



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.6	0.7	0.9	0.9	3.5	3.5	3.4	3.0	2.7	2.2	2.0
90.5°	0.3	0.4	0.4	0.3	0.7	0.7	0.4	0.3	0.1	0.1	0.0
91°	0.3	0.3	0.3	0.3	0.0	0.1	0.0	0.1	0.1	0.1	0.0
91.5°	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.1
92.5°	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.1
93°	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.1
93.5°	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.3	0.3	0.3	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1
96.5°	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.1	0.1	0.1	0.2
97°	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.2
97.5°	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.2
98.5°	0.3	0.3	0.3	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.2
99°	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.3
99.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2
100°	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.1	0.2	0.2	0.2
100.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.3
101°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3
101.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3
102°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
102.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
103°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
103.5°	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.4
104°	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.4
104.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4
105°	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.5	0.4
105.5°	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.5	0.4
106°	0.4	0.4	0.3	0.3	0.4	0.5	0.4	0.5	0.3	0.4	0.4
106.5°	0.5	0.5	0.4	0.3	0.5	0.5	0.5	0.5	0.3	0.5	0.4
107°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5
107.5°	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.5
108°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5
108.5°	0.5	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5
109°	0.5	0.6	0.6	0.7	0.6	0.5	0.6	0.5	0.4	0.6	0.6
109.5°	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.6
110°	0.7	0.6	0.7	0.7	0.6	0.5	0.6	0.5	0.5	0.6	0.6
110.5°	0.7	0.6	0.6	0.7	0.7	0.5	0.6	0.6	0.5	0.6	0.6
111°	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.6	0.6



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7
113°	0.7	0.6	0.7	0.7	0.7	0.7	0.8	0.6	0.7	0.8	0.7
113.5°	0.7	0.6	0.7	0.7	0.7	0.7	0.8	0.6	0.7	0.8	0.8
114°	0.7	0.6	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.8
114.5°	0.7	0.6	0.7	0.7	0.8	0.7	0.8	0.7	0.7	0.8	0.8
115°	0.7	0.6	0.7	0.8	0.8	0.8	0.9	0.7	0.8	0.8	0.8
115.5°	0.8	0.6	0.7	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8
116°	0.8	0.6	0.7	0.8	0.8	0.8	0.9	0.8	0.7	0.8	0.9
116.5°	0.7	0.6	0.7	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.9
117°	0.7	0.6	0.7	0.9	0.9	0.8	0.9	0.8	0.8	0.8	0.9
117.5°	0.7	0.6	0.7	0.8	1.0	0.8	1.0	0.8	0.8	0.9	0.8
118°	0.7	0.6	0.7	0.8	1.0	0.9	1.0	0.9	0.8	0.9	0.8
118.5°	0.7	0.7	0.7	0.8	1.0	0.9	1.0	0.9	0.8	0.9	1.0
119°	0.7	0.7	0.7	0.8	1.0	0.8	1.0	0.9	0.9	1.0	1.0
119.5°	0.7	0.7	0.7	0.8	1.0	0.9	1.1	1.0	0.9	1.0	1.0
120°	0.7	0.7	0.7	0.8	1.1	1.0	1.1	1.0	0.8	1.0	0.9
120.5°	0.7	0.7	0.7	0.8	1.1	1.0	1.2	1.0	0.8	1.0	1.0
121°	0.7	0.7	0.8	0.8	1.0	1.0	1.2	1.0	0.8	1.1	1.0
121.5°	0.7	0.7	0.8	0.9	1.0	1.0	1.2	1.0	1.0	1.1	1.0
122°	0.7	0.7	0.8	0.9	1.1	1.0	1.2	1.0	1.0	1.0	1.1
122.5°	0.8	0.8	0.8	0.9	1.1	1.0	1.2	1.0	1.0	1.1	1.0
123°	0.8	0.8	0.8	1.0	1.2	1.0	1.2	1.0	1.0	1.1	1.1
123.5°	0.8	0.8	0.8	1.0	1.2	1.1	1.2	1.0	1.0	1.1	1.1
124°	0.8	0.8	0.8	1.0	1.2	1.0	1.2	1.0	1.0	1.1	1.1
124.5°	0.8	0.8	0.8	1.0	1.2	1.2	1.2	1.1	1.0	1.1	1.1
125°	0.8	0.8	0.8	1.0	1.2	1.2	1.3	1.1	1.2	1.2	1.1
125.5°	1.0	0.8	0.9	1.0	1.2	1.1	1.4	1.1	1.2	1.2	1.1
126°	1.0	0.9	0.8	1.2	1.2	1.1	1.4	1.1	1.1	1.2	1.1
126.5°	0.9	0.9	0.8	1.2	1.2	1.1	1.3	1.1	1.1	1.2	1.1
127°	0.9	0.9	0.9	1.2	1.3	1.1	1.4	1.1	1.2	1.2	1.2
127.5°	0.9	0.9	1.0	1.2	1.2	1.2	1.4	1.1	1.2	1.2	1.2
128°	0.9	1.0	1.0	1.2	1.4	1.2	1.4	1.2	1.2	1.2	1.2
128.5°	0.9	1.0	1.0	1.2	1.4	1.2	1.4	1.2	1.2	1.3	1.2
129°	0.9	1.0	1.1	1.2	1.3	1.2	1.5	1.2	1.2	1.3	1.2
129.5°	0.9	1.0	1.2	1.2	1.4	1.2	1.5	1.2	1.2	1.3	1.2
130°	1.0	1.4	1.3	1.2	1.4	1.2	1.4	1.2	1.2	1.3	1.2
130.5°	1.0	1.4	1.4	1.2	1.4	1.2	1.5	1.2	1.3	1.3	1.2
131°	1.0	1.4	1.4	1.2	1.4	1.2	1.5	1.4	1.3	1.3	1.2
131.5°	1.0	1.5	1.5	1.2	1.4	1.2	1.6	1.4	1.3	1.3	1.2
132°	1.1	1.6	1.6	1.2	1.5	1.2	1.5	1.4	1.3	1.4	1.2
132.5°	1.2	1.6	1.6	1.2	1.5	1.2	1.6	1.4	1.3	1.4	1.2
133°	1.4	1.6	1.6	1.2	1.5	1.2	1.6	1.4	1.4	1.4	1.2
133.5°	1.6	1.6	1.8	1.4	1.6	1.2	1.6	1.4	1.4	1.5	1.3



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.5	1.6	1.7	1.8	1.6	1.3	1.7	1.4	1.4	1.5	1.3
135.5°	1.5	1.7	1.6	1.9	1.6	1.3	1.6	1.4	1.4	1.6	1.3
136°	1.6	1.7	1.6	1.9	1.6	1.3	1.6	1.5	1.4	1.6	1.3
136.5°	1.6	1.7	1.6	1.8	1.6	1.4	1.6	1.5	1.4	1.5	1.3
137°	1.6	1.7	1.6	1.8	1.6	1.4	1.8	1.5	1.5	1.6	1.3
137.5°	1.6	1.7	1.6	1.8	1.6	1.4	1.8	1.6	1.5	1.5	1.4
138°	1.6	1.7	1.6	1.8	1.6	1.4	1.7	1.6	1.5	1.5	1.4
138.5°	1.6	1.7	1.6	1.8	1.7	1.4	1.7	1.5	1.5	1.6	1.4
139°	1.6	1.7	1.6	1.8	1.7	1.4	1.8	1.5	1.6	1.6	1.4
139.5°	1.6	1.7	1.7	1.8	1.7	1.4	1.8	1.6	1.6	1.6	1.4
140°	1.6	1.7	1.7	1.8	1.7	1.4	1.8	1.6	1.6	1.6	1.4
140.5°	1.6	1.7	1.8	1.8	1.8	1.5	1.8	1.6	1.6	1.6	1.4
141°	1.6	1.7	1.8	1.8	1.8	1.5	1.8	1.6	1.6	1.6	1.4
141.5°	1.6	1.7	1.8	1.8	1.8	1.5	1.8	1.6	1.6	1.6	1.4
142°	1.6	1.7	1.8	1.8	1.8	1.5	1.8	1.6	1.7	1.6	1.4
142.5°	1.7	1.7	1.8	1.8	1.8	1.6	1.8	1.7	1.6	1.7	1.4
143°	1.7	1.8	1.8	1.8	1.9	1.6	1.8	1.7	1.7	1.7	1.4
143.5°	1.6	1.8	1.8	1.8	1.9	1.6	1.8	1.7	1.6	1.7	1.4
144°	1.8	1.8	1.8	1.8	1.9	1.6	1.8	1.7	1.8	1.8	1.6
144.5°	1.7	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.7	1.6
145°	1.8	1.8	1.8	1.9	1.9	1.6	1.8	1.8	1.8	1.8	1.5
145.5°	1.8	1.8	1.8	1.8	2.0	1.7	1.8	1.8	1.7	1.8	1.5
146°	1.8	1.9	1.9	1.9	2.0	1.7	1.8	1.8	1.8	1.8	1.5
146.5°	1.9	1.9	1.8	2.0	2.0	1.8	1.8	1.9	1.8	1.8	1.6
147°	1.9	1.9	1.8	2.0	2.0	1.8	1.8	1.9	1.9	1.8	1.6
147.5°	2.0	2.1	1.8	2.0	2.0	1.8	1.8	1.8	1.9	1.8	1.6
148°	2.0	2.0	1.8	2.0	2.1	1.9	1.8	1.8	1.9	1.8	1.6
148.5°	2.0	2.1	1.8	2.1	2.1	1.9	1.8	1.9	2.0	1.8	1.6
149°	2.1	2.1	1.8	2.1	2.2	1.9	1.8	1.9	2.0	1.8	1.6
149.5°	2.1	2.2	1.8	2.2	2.1	2.0	1.8	1.9	2.0	1.8	1.6
150°	2.2	2.2	1.9	2.3	2.3	2.0	1.8	1.9	2.1	1.8	1.6
150.5°	2.3	2.2	1.9	2.5	2.2	2.1	1.8	1.9	2.1	1.9	1.6
151°	2.5	2.2	1.9	2.5	2.3	2.1	1.8	2.0	2.0	1.9	1.8
151.5°	2.5	2.3	1.9	2.5	2.4	2.1	1.9	2.0	2.0	1.9	1.8
152°	2.5	2.3	1.9	2.6	2.4	2.2	1.9	2.0	2.1	1.9	1.8
152.5°	2.5	2.4	1.9	2.6	2.5	2.2	1.9	1.9	2.1	1.9	1.8
153°	2.5	2.3	1.9	2.7	2.5	2.3	1.9	1.9	2.1	1.9	1.9
153.5°	2.7	2.3	2.1	2.7	2.6	2.3	2.0	1.9	2.2	1.9	1.9
154°	2.7	2.5	2.0	2.7	2.7	2.5	2.0	1.9	2.1	1.9	1.9
154.5°	2.7	2.5	2.1	2.7	2.7	2.5	2.1	2.0	2.1	2.0	1.9
155°	2.7	2.5	2.4	2.7	2.7	2.6	2.1	2.0	2.2	2.0	2.0
155.5°	2.7	2.5	2.4	2.7	2.7	2.7	2.3	2.1	2.3	2.1	2.1
156°	2.7	2.7	2.5	2.7	2.9	2.7	2.3	2.1	2.3	2.1	2.1



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.7	2.6	2.6	2.8	2.9	2.9	2.4	2.1	2.3	2.1	2.3
158°	2.7	2.7	2.6	2.7	3.1	3.1	2.5	2.3	2.3	2.3	2.3
158.5°	2.7	2.7	2.6	2.8	3.2	3.2	2.7	2.3	2.3	2.3	2.4
159°	2.7	2.7	2.6	2.9	3.3	3.2	2.7	2.3	2.3	2.4	2.5
159.5°	2.7	2.7	2.6	2.8	3.3	3.2	2.7	2.4	2.4	2.5	2.5
160°	2.7	2.7	2.6	2.8	3.3	3.3	2.8	2.5	2.4	2.6	2.7
160.5°	2.7	2.7	2.6	2.8	3.3	3.3	2.9	2.6	2.4	2.7	2.7
161°	2.7	2.7	2.6	2.8	3.3	3.3	2.9	2.7	2.5	2.7	2.8
161.5°	2.7	2.7	2.6	2.8	3.3	3.3	3.0	2.8	2.5	2.7	2.7
162°	2.7	2.7	2.7	2.8	3.3	3.3	3.0	2.7	2.6	2.7	2.8
162.5°	2.7	2.7	2.7	2.8	3.3	3.3	3.0	2.9	2.7	2.7	2.9
163°	2.7	2.8	2.7	2.9	3.3	3.3	3.0	2.9	2.8	2.7	2.9
163.5°	2.7	2.8	2.8	2.9	3.3	3.3	3.0	2.9	2.8	2.7	3.0
164°	2.8	2.8	2.8	3.0	3.3	3.3	3.0	3.1	2.8	2.7	3.0
164.5°	2.8	2.9	2.8	2.9	3.3	3.3	3.0	3.1	2.8	2.7	3.0
165°	2.7	2.9	2.9	2.9	3.3	3.3	3.0	3.0	2.8	2.7	3.0
165.5°	2.7	2.9	2.9	3.0	3.3	3.3	3.0	3.0	2.8	2.8	3.0
166°	2.7	2.9	2.9	3.0	3.3	3.3	3.0	3.0	2.8	2.9	3.0
166.5°	2.7	2.9	3.0	3.0	3.3	3.3	3.0	3.0	2.8	2.9	3.0
167°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	2.9	3.0
167.5°	2.7	3.1	2.9	3.0	3.3	3.3	3.0	3.0	2.8	2.9	3.0
168°	2.7	3.0	2.9	3.0	3.3	3.3	3.0	3.0	2.8	2.9	3.0
168.5°	2.7	3.0	2.9	3.0	3.3	3.3	3.0	3.0	2.8	3.0	3.0
169°	2.7	3.0	2.9	3.0	3.3	3.3	3.0	3.0	2.8	3.0	3.0
169.5°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.1	3.0
170°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.1	3.0
170.5°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.1	3.0
171°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.1	3.0
171.5°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
172°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
172.5°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
173°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
173.5°	2.7	3.0	3.0	3.0	3.3	3.4	3.0	3.0	2.8	3.2	3.0
174°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
174.5°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
175°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
175.5°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
176°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
176.5°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.2	3.0
177°	2.7	3.0	3.0	3.0	3.3	3.3	3.0	3.0	2.8	3.3	3.0
177.5°	2.7	3.0	3.0	3.0	3.3	3.4	3.0	3.0	2.8	3.3	3.0
178°	2.7	3.0	3.0	3.0	3.4	3.4	3.0	3.0	2.8	3.2	3.0
178.5°	2.9	3.0	3.0	3.0	3.5	3.4	3.0	3.0	2.8	3.2	3.0



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	787.0	787.0	787.0	787.0	787.0	787.0
0.5°	787.1	787.1	786.9	786.8	787.1	788.0
1°	787.9	786.4	786.8	786.5	786.6	787.6
1.5°	787.8	785.7	786.6	786.4	786.8	786.7
2°	787.6	786.0	786.1	785.6	786.7	786.1
2.5°	787.3	785.4	785.9	784.4	786.1	785.5
3°	787.0	785.2	786.1	784.6	785.2	784.9
3.5°	786.4	784.4	785.3	784.6	784.8	785.1
4°	786.1	784.0	785.2	784.7	784.3	784.5
4.5°	785.7	783.9	784.7	783.5	784.5	783.8
5°	784.8	782.8	784.2	782.8	783.1	783.2
5.5°	783.6	782.0	783.4	782.2	782.3	782.2
6°	781.6	781.1	781.7	781.0	781.6	781.9
6.5°	781.7	779.8	780.8	780.1	780.2	780.4
7°	781.0	778.8	779.6	778.7	778.3	778.9
7.5°	780.4	778.4	778.0	777.7	777.4	778.4
8°	778.5	776.5	777.3	777.5	776.2	777.1
8.5°	775.9	775.4	776.4	776.1	775.2	775.6
9°	775.3	774.3	776.0	774.0	774.6	774.3
9.5°	774.4	773.7	774.5	772.2	772.8	772.7
10°	772.5	772.0	773.0	771.0	771.8	771.9
10.5°	771.5	770.6	771.2	769.3	770.2	770.5
11°	770.0	768.5	768.9	767.7	768.1	768.4
11.5°	767.9	766.9	767.6	766.6	767.4	766.8
12°	766.5	765.5	765.6	764.8	765.5	765.2
12.5°	764.8	763.5	763.5	762.8	763.1	763.2
13°	763.2	762.6	761.9	760.8	761.3	761.7
13.5°	761.4	760.5	760.8	759.0	759.7	760.0
14°	759.5	758.7	758.2	756.9	758.2	757.9
14.5°	757.0	756.8	756.4	754.8	756.2	755.9
15°	755.8	754.6	754.3	753.2	754.2	754.0
15.5°	753.2	752.4	752.7	751.0	752.2	752.2
16°	751.3	750.2	750.2	748.8	749.9	750.9
16.5°	749.1	748.8	747.9	746.5	748.3	748.3
17°	746.7	745.7	745.4	744.4	745.7	746.2
17.5°	744.8	742.5	742.7	741.3	743.0	743.8
18°	742.2	740.2	740.2	738.7	740.4	741.6
18.5°	739.3	738.2	737.9	735.8	737.9	739.3
19°	737.2	736.3	735.9	733.9	735.7	736.7
19.5°	734.4	733.3	733.1	731.5	733.1	733.5
20°	731.4	730.6	730.5	729.0	730.3	730.8
20.5°	729.1	727.7	727.5	726.4	727.4	727.7
21°	726.8	725.4	724.8	723.5	724.9	724.7



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	717.8	716.6	716.0	714.6	716.1	716.4
23°	715.2	713.5	712.9	711.9	713.0	713.8
23.5°	712.0	710.4	709.9	708.6	710.5	710.7
24°	708.9	707.4	706.6	705.1	707.4	707.5
24.5°	706.1	704.6	703.0	702.0	704.2	704.4
25°	702.6	701.5	699.8	698.7	700.8	701.1
25.5°	698.8	698.3	696.6	695.3	697.3	697.7
26°	695.7	694.9	693.1	692.0	693.8	694.5
26.5°	692.0	691.4	689.4	688.4	690.3	691.1
27°	688.6	687.6	686.0	685.0	686.9	687.8
27.5°	684.5	684.2	682.1	681.8	683.4	684.4
28°	681.1	680.7	678.5	678.3	679.7	680.9
28.5°	677.6	677.1	674.9	674.7	676.0	677.2
29°	674.2	673.2	671.1	670.7	672.4	673.5
29.5°	670.6	669.5	667.2	666.9	668.7	669.7
30°	666.8	665.9	663.5	663.0	664.9	666.0
30.5°	661.8	662.1	659.7	659.2	661.0	662.2
31°	659.1	658.1	655.8	655.4	656.9	658.4
31.5°	655.2	654.2	651.9	651.3	652.8	654.5
32°	651.0	650.3	647.7	647.2	649.1	650.3
32.5°	646.8	646.1	643.5	642.7	645.0	646.1
33°	643.0	641.6	639.5	638.6	640.6	641.8
33.5°	638.3	637.6	635.2	634.6	636.4	637.9
34°	634.4	633.5	630.7	630.2	632.3	633.7
34.5°	630.2	629.1	626.3	625.9	627.9	629.4
35°	625.7	624.7	622.1	621.6	623.7	625.2
35.5°	621.3	620.5	617.8	617.2	619.4	620.9
36°	617.0	616.3	613.5	612.8	614.9	616.4
36.5°	612.2	611.8	609.0	608.2	610.2	611.8
37°	607.6	607.4	604.7	603.7	605.9	607.4
37.5°	603.2	602.7	600.0	598.9	601.0	602.6
38°	598.7	598.1	595.4	594.2	596.2	597.9
38.5°	594.2	593.4	590.6	589.4	591.8	593.3
39°	589.7	588.6	585.9	584.9	587.3	588.6
39.5°	585.1	583.9	580.9	580.0	582.4	584.0
40°	580.0	579.2	576.2	575.0	577.3	579.2
40.5°	575.4	574.1	571.4	570.0	572.5	574.3
41°	570.3	569.1	566.6	565.1	567.5	569.3
41.5°	565.3	563.9	561.5	560.4	562.3	564.3
42°	560.4	559.1	556.6	555.4	556.9	559.2
42.5°	555.2	554.1	551.4	550.3	552.3	554.5
43°	550.4	549.2	546.3	545.1	547.2	549.5
43.5°	545.0	544.1	541.1	539.9	542.1	544.3





TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	529.7	528.7	525.4	524.2	526.6	528.8
45.5°	524.4	523.3	520.2	519.0	521.5	523.7
46°	519.2	517.6	515.0	513.5	516.1	518.1
46.5°	513.8	512.3	509.5	508.1	510.7	512.8
47°	508.5	506.9	504.0	502.8	505.1	507.2
47.5°	502.7	501.4	498.3	497.1	499.3	501.7
48°	497.3	496.1	492.8	491.7	493.4	496.1
48.5°	491.3	490.5	487.3	486.3	488.1	490.7
49°	486.0	485.2	481.8	480.6	482.9	485.1
49.5°	480.8	479.4	476.1	474.8	477.2	479.5
50°	474.7	473.5	470.3	469.0	471.3	473.7
50.5°	468.7	467.7	464.5	463.2	465.4	468.1
51°	463.0	461.9	458.7	457.3	459.5	462.4
51.5°	457.3	456.1	452.9	451.7	453.9	456.4
52°	451.7	450.3	446.9	445.9	448.2	450.4
52.5°	445.6	444.4	441.0	439.8	442.1	444.8
53°	440.0	438.4	435.1	434.0	436.2	438.8
53.5°	433.9	432.3	429.1	428.0	430.2	432.7
54°	427.9	426.3	423.2	421.8	423.9	426.6
54.5°	422.1	420.3	417.1	416.1	418.3	420.9
55°	415.8	414.5	411.1	410.1	412.2	415.0
55.5°	410.0	408.4	405.1	404.0	406.1	408.8
56°	404.1	402.4	399.0	397.9	399.8	402.7
56.5°	397.8	396.1	392.8	391.7	393.8	396.5
57°	391.1	389.9	386.7	385.6	387.6	390.1
57.5°	384.9	383.7	380.5	379.5	381.4	384.3
58°	378.9	377.5	374.3	373.1	375.0	377.8
58.5°	372.2	371.1	368.0	366.9	368.5	371.4
59°	366.0	364.9	361.6	360.6	361.9	365.0
59.5°	359.9	358.7	355.3	354.5	356.0	358.7
60°	354.1	352.7	349.1	348.1	349.5	352.4
60.5°	347.2	346.1	342.6	341.6	343.2	345.9
61°	340.8	339.5	336.1	335.2	336.9	339.7
61.5°	334.9	332.9	329.7	328.9	330.5	333.3
62°	328.5	326.5	323.6	322.6	324.1	327.0
62.5°	321.9	319.9	317.1	316.1	317.7	320.5
63°	315.8	313.5	310.4	309.5	311.2	314.0
63.5°	308.8	307.0	303.8	303.2	304.6	307.5
64°	303.0	300.8	297.7	296.6	298.1	300.8
64.5°	296.5	294.5	291.1	290.3	291.7	293.9
65°	290.4	288.1	284.7	283.8	285.3	287.6
65.5°	283.8	281.6	278.1	277.2	278.8	281.3
66°	276.8	274.9	271.9	270.6	272.2	274.6



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	257.2	255.3	252.2	250.9	252.3	254.9
68°	250.8	248.8	245.7	244.4	245.7	248.3
68.5°	244.7	242.3	239.3	238.0	239.2	241.7
69°	237.9	235.8	232.7	231.6	232.7	234.9
69.5°	231.3	229.2	226.0	225.2	226.2	228.4
70°	224.8	222.5	219.8	218.7	219.7	222.0
70.5°	218.4	216.2	213.4	212.3	213.2	215.2
71°	212.1	209.7	206.9	205.9	206.6	208.7
71.5°	205.5	203.1	200.3	199.5	200.0	202.2
72°	199.3	196.4	193.9	192.9	193.6	195.8
72.5°	192.8	190.1	187.5	186.5	187.1	189.1
73°	186.4	183.7	181.2	180.1	180.6	182.5
73.5°	179.6	177.2	174.8	173.7	174.2	176.3
74°	173.8	171.0	168.5	167.4	167.9	170.1
74.5°	167.0	164.6	162.0	160.9	161.4	163.6
75°	160.7	158.2	155.8	154.7	155.3	157.2
75.5°	154.6	152.2	149.6	148.5	149.0	150.9
76°	148.5	145.8	143.3	142.3	142.7	144.6
76.5°	142.5	139.8	137.0	136.1	136.5	138.4
77°	136.1	133.3	131.0	129.8	130.4	132.1
77.5°	129.9	127.4	124.8	123.9	124.3	126.0
78°	123.9	121.2	118.8	118.0	118.3	120.0
78.5°	117.8	115.3	112.8	111.9	112.3	114.0
79°	112.0	109.2	107.1	106.1	106.6	107.9
79.5°	106.0	103.4	101.0	100.2	100.6	102.1
80°	99.9	97.5	95.1	94.3	94.8	96.1
80.5°	94.3	91.5	89.4	88.7	89.1	90.5
81°	88.4	86.0	84.1	83.3	83.6	84.8
81.5°	82.7	80.4	78.4	77.7	78.1	79.2
82°	77.1	74.8	72.9	72.2	72.6	73.7
82.5°	71.6	69.1	67.3	66.6	66.9	68.1
83°	66.2	63.5	61.8	61.2	61.4	62.6
83.5°	60.8	58.0	56.4	55.8	56.2	57.3
84°	55.3	52.8	51.2	50.7	51.0	52.1
84.5°	50.4	47.5	46.1	45.6	45.8	46.9
85°	45.0	42.3	40.8	40.5	40.6	41.7
85.5°	39.9	37.2	35.8	35.6	35.8	36.8
86°	34.6	32.2	30.9	30.8	30.9	31.9
86.5°	30.1	27.3	26.2	26.1	26.3	27.3
87°	25.4	22.8	21.8	21.7	22.0	22.8
87.5°	20.8	18.3	17.4	17.5	17.7	18.6
88°	16.4	14.0	13.2	13.4	13.7	14.5
88.5°	12.2	10.1	9.4	9.6	9.8	10.6



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.7	0.7	0.8	0.7	0.7	0.7
113°	0.7	0.7	0.7	0.7	0.7	0.7
113.5°	0.8	0.7	0.7	0.7	0.7	0.7
114°	0.8	0.7	0.7	0.7	0.7	0.7
114.5°	0.8	0.7	0.6	0.7	0.7	0.7
115°	0.8	0.7	0.6	0.7	0.7	0.7
115.5°	0.8	0.7	0.6	0.7	0.7	0.8
116°	0.8	0.7	0.6	0.7	0.7	0.8
116.5°	0.9	0.7	0.6	0.7	0.7	0.7
117°	0.9	0.7	0.6	0.7	0.7	0.7
117.5°	1.0	0.7	0.6	0.7	0.7	0.7
118°	0.9	0.7	0.6	0.7	0.7	0.7
118.5°	0.9	0.8	0.7	0.7	0.7	0.7
119°	1.0	0.8	0.7	0.7	0.7	0.7
119.5°	1.0	0.7	0.7	0.8	0.7	0.7
120°	1.0	0.7	0.7	0.7	0.7	0.7
120.5°	1.0	0.7	0.7	0.8	0.7	0.7
121°	1.0	0.8	0.7	0.8	0.7	0.7
121.5°	1.2	0.8	0.8	0.8	0.7	0.7
122°	1.2	0.8	0.8	0.9	0.7	0.7
122.5°	1.2	0.9	0.7	0.9	0.7	0.8
123°	1.2	0.9	0.7	0.9	0.8	0.8
123.5°	1.2	0.8	0.7	0.9	0.8	0.8
124°	1.2	0.8	0.8	0.9	0.8	0.8
124.5°	1.2	0.9	0.8	0.9	0.8	0.8
125°	1.2	0.9	0.8	0.9	0.8	0.8
125.5°	1.2	0.9	0.8	1.0	0.8	1.0
126°	1.2	1.0	0.8	1.0	0.9	1.0
126.5°	1.2	1.0	0.8	1.0	0.9	0.9
127°	1.3	1.0	0.9	1.0	1.0	0.9
127.5°	1.3	1.0	1.0	1.1	1.0	0.9
128°	1.3	1.1	1.0	1.1	1.0	0.9
128.5°	1.3	1.1	1.0	1.0	1.0	0.9
129°	1.4	1.2	1.0	1.0	1.0	0.9
129.5°	1.3	1.4	1.0	1.2	1.0	0.9
130°	1.4	1.6	1.2	1.4	1.1	1.0
130.5°	1.4	1.6	1.2	1.4	1.2	1.0
131°	1.4	1.6	1.2	1.5	1.3	1.0
131.5°	1.4	1.7	1.2	1.6	1.4	1.0
132°	1.4	1.7	1.3	1.5	1.5	1.1
132.5°	1.4	1.8	1.3	1.6	1.5	1.2
133°	1.4	1.8	1.9	1.6	1.6	1.4
133.5°	1.4	1.8	1.8	1.7	1.6	1.6



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	1.6	1.8	1.8	1.6	1.6	1.5
135.5°	1.6	1.8	1.9	2.2	1.6	1.5
136°	1.6	1.8	1.9	2.2	1.6	1.6
136.5°	1.6	1.8	1.8	2.1	1.6	1.6
137°	1.6	1.8	1.8	2.1	1.6	1.6
137.5°	1.6	1.8	1.8	2.1	1.6	1.6
138°	1.6	1.8	1.8	2.1	1.6	1.6
138.5°	1.7	1.8	1.8	2.1	1.6	1.6
139°	1.7	1.8	1.8	2.1	1.6	1.6
139.5°	1.6	1.8	1.8	2.1	1.6	1.6
140°	1.6	1.8	1.8	2.1	1.6	1.6
140.5°	1.8	1.8	1.8	2.1	1.7	1.6
141°	1.8	1.8	1.8	2.1	1.7	1.6
141.5°	1.7	1.9	1.8	2.1	1.7	1.6
142°	1.9	1.9	1.8	2.1	1.7	1.6
142.5°	1.8	1.9	1.8	2.1	1.7	1.7
143°	1.8	1.9	1.8	2.1	1.8	1.7
143.5°	1.8	2.0	1.8	2.1	1.8	1.6
144°	1.9	2.0	1.8	2.1	1.8	1.8
144.5°	2.0	2.1	1.8	2.1	1.9	1.7
145°	1.9	2.1	1.8	2.1	1.9	1.8
145.5°	1.9	2.1	1.8	2.1	1.9	1.8
146°	1.9	2.3	1.8	2.1	1.9	1.8
146.5°	1.9	2.3	1.8	2.1	2.0	1.9
147°	1.9	2.5	1.8	2.1	2.0	1.9
147.5°	1.9	2.6	1.9	2.1	2.0	2.0
148°	2.0	2.6	1.9	2.1	2.0	2.0
148.5°	2.0	2.5	2.0	2.1	2.1	2.0
149°	2.1	2.5	2.0	2.1	2.1	2.1
149.5°	2.2	2.7	2.0	2.1	2.1	2.1
150°	2.2	2.7	2.0	2.1	2.3	2.2
150.5°	2.2	2.6	2.1	2.1	2.3	2.3
151°	2.2	2.6	2.1	2.1	2.3	2.5
151.5°	2.3	2.6	2.3	2.1	2.3	2.5
152°	2.3	2.7	2.4	2.1	2.5	2.5
152.5°	2.3	2.7	2.5	2.1	2.5	2.5
153°	2.4	2.7	2.7	2.1	2.5	2.5
153.5°	2.4	2.7	2.7	2.1	2.5	2.7
154°	2.4	2.8	2.7	2.1	2.5	2.7
154.5°	2.5	2.8	2.7	2.1	2.5	2.7
155°	2.5	2.9	2.7	2.1	2.5	2.7
155.5°	2.6	2.9	2.7	2.1	2.5	2.7
156°	2.5	3.0	2.7	2.1	2.5	2.7



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	2.8	3.1	2.9	2.3	2.7	2.7
158°	2.8	3.2	2.9	2.5	2.7	2.7
158.5°	2.8	3.1	2.9	2.5	2.7	2.7
159°	2.8	3.2	3.0	2.5	2.7	2.7
159.5°	2.8	3.3	2.9	2.6	2.7	2.7
160°	2.9	3.4	2.9	2.6	2.7	2.7
160.5°	2.8	3.5	2.9	2.6	2.7	2.7
161°	2.9	3.5	2.9	2.6	2.7	2.7
161.5°	2.9	3.4	2.9	2.6	2.7	2.7
162°	3.1	3.4	2.9	2.6	2.7	2.7
162.5°	3.1	3.4	2.9	2.6	2.9	2.7
163°	3.0	3.4	2.9	2.6	2.8	2.7
163.5°	3.0	3.4	2.9	2.6	2.8	2.7
164°	3.0	3.4	2.9	2.7	2.8	2.8
164.5°	3.0	3.4	2.9	2.7	2.8	2.8
165°	3.0	3.4	2.9	2.7	2.8	2.7
165.5°	3.0	3.4	3.1	2.7	2.8	2.7
166°	3.0	3.4	3.1	2.8	2.8	2.7
166.5°	3.0	3.4	3.0	2.8	2.8	2.7
167°	3.0	3.4	3.0	2.9	2.8	2.7
167.5°	3.0	3.4	3.0	2.9	2.8	2.7
168°	3.0	3.4	3.0	2.9	2.8	2.7
168.5°	3.0	3.4	3.0	2.9	2.8	2.7
169°	3.0	3.4	3.0	2.9	2.8	2.7
169.5°	3.0	3.4	3.0	2.9	2.8	2.7
170°	3.0	3.4	3.0	2.9	2.8	2.7
170.5°	3.0	3.4	3.0	2.9	2.8	2.7
171°	3.0	3.4	3.0	2.9	2.8	2.7
171.5°	3.0	3.4	3.0	3.0	2.8	2.7
172°	3.0	3.4	3.0	2.9	2.8	2.7
172.5°	3.0	3.4	3.0	2.9	2.8	2.7
173°	3.0	3.4	3.0	2.9	2.8	2.7
173.5°	3.0	3.4	3.0	2.9	2.8	2.7
174°	3.0	3.4	3.0	2.9	2.8	2.7
174.5°	3.0	3.4	3.0	2.9	2.8	2.7
175°	3.0	3.3	3.0	2.9	2.8	2.7
175.5°	3.0	3.3	3.0	2.9	2.8	2.7
176°	3.0	3.3	3.0	2.9	2.8	2.7
176.5°	3.0	3.3	3.0	2.9	2.8	2.7
177°	3.0	3.3	3.0	3.0	2.8	2.7
177.5°	3.0	3.3	3.0	3.0	2.8	2.7
178°	3.0	3.4	3.0	3.0	2.8	2.7
178.5°	3.0	3.3	3.0	3.0	2.8	2.9



TEST NUMBER: P579679

CATALOG NUMBER: SMD14S209SWHE-EM - 2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	3.2	3.2	3.2	3.2	3.2	3.2



Report Generated By 670245859 / DESKTOP-HRDQ47P







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







21.5°	721.6	721.5	721.2	723.2	725.2	724.1	722.0	724.4	723.3	721.6	721.1
22°	719.1	718.1	718.4	720.4	721.6	721.4	718.9	721.0	721.3	718.7	717.7



44°	539.2	536.7	536.7	538.8	543.8	541.4	539.3	541.7	542.9	538.9	537.0
44.5°	534.1	531.4	531.3	533.7	538.3	536.1	534.0	536.5	536.7	533.6	532.4



66.5°	268.2	266.1	266.4	269.0	275.0	273.0	270.4	272.0	272.9	269.9	268.7
67°	261.2	259.5	259.7	262.4	268.4	266.3	264.1	265.1	266.2	263.1	262.7



89°	7.1	7.0	7.2	7.5	10.3	10.1	9.9	9.7	9.6	8.8	8.4
89.5°	3.4	3.6	4.0	4.1	6.8	6.8	6.7	6.3	6.1	5.5	5.2





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



134°	1.6	1.6	1.8	1.8	1.6	1.4	1.6	1.4	1.4	1.5	1.3
134.5°	1.5	1.7	1.6	1.8	1.5	1.3	1.7	1.4	1.4	1.5	1.3



156.5°	2.7	2.7	2.5	2.7	2.9	2.9	2.3	2.1	2.3	2.1	2.1
157°	2.7	2.6	2.6	2.7	2.9	2.9	2.4	2.2	2.3	2.1	2.3



179°	3.0	3.0	3.0	3.0	3.5	3.4	3.0	3.0	2.8	3.3	3.0
179.5°	3.1	3.0	3.0	3.0	3.5	3.4	3.0	3.0	2.8	3.3	3.0





21.5°	723.7	722.7	722.0	720.4	721.9	721.6
22°	720.6	719.7	719.1	717.7	719.2	719.1



44°	539.7	539.1	536.0	534.8	536.8	539.2
44.5°	534.9	534.1	530.7	529.6	531.6	534.1



66.5°	270.5	268.2	265.3	264.0	265.6	268.2
67°	264.2	261.8	258.9	257.5	258.9	261.2





89°	8.2	6.1	5.8	6.1	6.3	7.1
89.5°	4.9	2.6	2.4	2.7	2.9	3.4



111.5°	0.7	0.7	0.7	0.7	0.7	0.7
112°	0.7	0.7	0.5	0.7	0.7	0.7



134°	1.6	1.8	1.8	1.7	1.6	1.6
134.5°	1.5	1.8	1.8	1.6	1.6	1.5



156.5°	2.7	3.1	2.7	2.2	2.5	2.7
157°	2.7	3.1	2.7	2.2	2.6	2.7



179°	3.0	3.3	3.0	3.0	2.8	3.0
179.5°	3.0	3.4	3.0	3.0	2.8	3.1



(END OF REPORT)