

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P600975

Luminaire Tested: 8APVTL-D-SL3C3 LO POWER 3500K 277V

Issue Date: 1/11/2023

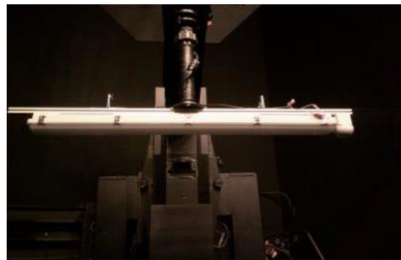
**Test Information**

Test Method: LM-79-2019  
Report Number: P600975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( NTCLR22090026)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/11/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8APVTLD-SL3C3 LO POWER 3500K 277V  
Description: LOW POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

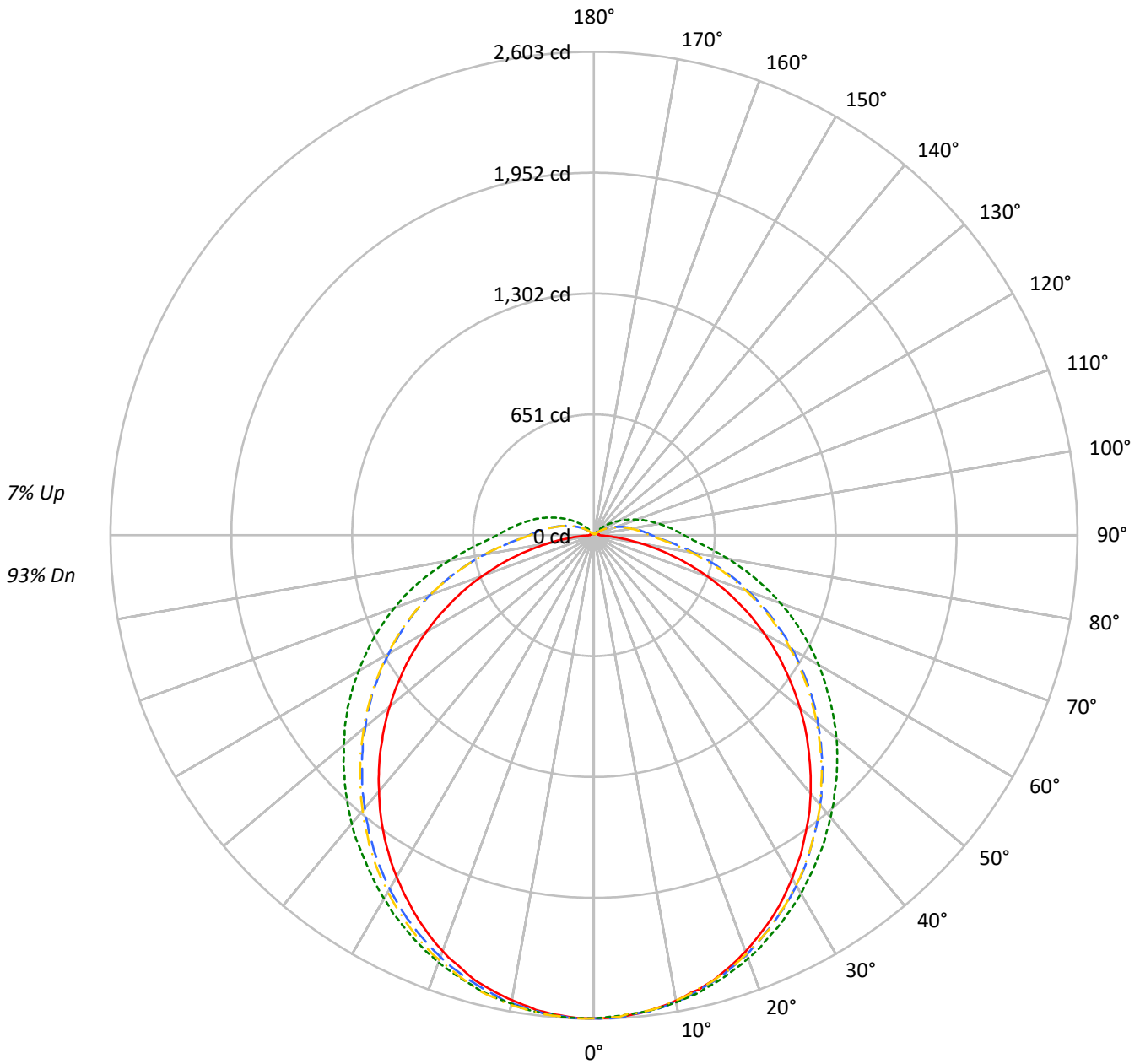
Lumens per Lamp: N/A  
Luminaire Lumens: 8835.3 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 60  
Input Voltage (V): 277  
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: 24 FT



TEST NUMBER: P600975  
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 277V

### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20				20
RC	80				70				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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	66	63	63	63	63	60
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	43	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	22	22	22	20

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

	0°	90°	180°	270°
0°	10499	10499	10499	10499
5°	10475	10242	10472	10273
10°	10412	10027	10401	10052
15°	10340	9788	10332	9839
20°	10207	9550	10194	9638
25°	10062	9305	10030	9419
30°	9881	9079	9843	9201
35°	9685	8838	9644	8996
40°	9482	8636	9402	8834
45°	9234	8434	9168	8658
50°	8984	8247	8906	8505
55°	8699	8050	8637	8393
60°	8399	7873	8276	8245
65°	8013	7673	7846	8135
70°	7503	7476	7305	7988
75°	6772	7260	6548	7834
80°	5772	7057	5448	7630
85°	4486	7038	3994	7650

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 12478 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.0	2.8
10°-20°	703.4	8.0
20°-30°	1063.9	12.0
30°-40°	1286.0	14.6
40°-50°	1353.4	15.3
50°-60°	1271.4	14.4
60°-70°	1060.4	12.0
70°-80°	756.3	8.6
80°-90°	442.9	5.0
90°-100°	275.6	3.1
100°-110°	181.2	2.1
110°-120°	106.4	1.2
120°-130°	54.2	0.6
130°-140°	20.7	0.2
140°-150°	6.5	0.1
150°-160°	3.7	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	2013.3	22.8
0°-40°	3299.3	37.3
0°-60°	5924.2	67.1
0°-90°	8183.7	92.6
90°-120°	563.2	6.4
90°-150°	644.7	7.3
90°-180°	652.0	7.4
0°-180°	8835.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2601	2601	2601	2601	2601	
5°	2588	2583	2587	2591	2588	246
15°	2481	2499	2479	2512	2481	699
25°	2270	2333	2263	2361	2270	1045
35°	1980	2108	1972	2145	1980	1239
45°	1634	1847	1623	1896	1634	1261
55°	1254	1552	1246	1618	1254	1122
65°	858	1234	840	1308	858	848
75°	451	900	436	971	451	478
85°	108	586	96	637	108	120
90°	32	486	24	521	32	20
95°	28	418	22	450	28	22
105°	23	299	19	332	23	25
115°	19	198	16	222	19	19
125°	14	115	12	133	14	13
135°	11	51	8	63	11	9
145°	8	8	7	14	8	5
155°	7	7	7	10	7	3
165°	8	7	10	9	8	2
175°	10	7	11	7	10	1
180°	10	10	10	10	10	



TEST NUMBER: P600975

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1
1°	2601.3	2597.5	2603.3	2597.9	2597.7	2603.3	2600.5	2597.3	2601.1	2600.1	2602.1
2°	2598.9	2597.7	2601.9	2595.1	2592.9	2597.5	2597.5	2595.1	2601.1	2596.9	2602.3
3°	2597.7	2599.9	2599.3	2594.5	2591.3	2600.5	2596.9	2594.3	2597.1	2596.1	2601.3
4°	2592.7	2595.9	2594.7	2589.3	2587.1	2591.3	2585.3	2587.3	2591.5	2590.5	2593.3
5°	2587.5	2592.7	2586.1	2584.9	2583.1	2585.5	2584.1	2581.5	2586.9	2586.5	2590.1
6°	2581.9	2584.5	2581.7	2581.5	2580.3	2582.3	2578.1	2575.1	2580.3	2581.9	2589.5
7°	2572.7	2575.5	2581.3	2575.9	2574.5	2574.3	2573.7	2566.3	2574.1	2577.1	2578.1
8°	2563.9	2568.9	2570.5	2567.3	2568.7	2567.7	2566.1	2558.5	2561.5	2567.5	2572.5
9°	2555.7	2560.1	2560.7	2556.9	2561.5	2561.5	2553.1	2551.7	2551.9	2558.5	2565.1
10°	2544.9	2546.7	2548.5	2550.5	2554.1	2554.5	2542.7	2543.9	2542.3	2549.7	2558.7
11°	2532.3	2537.9	2542.3	2540.5	2544.7	2540.5	2533.9	2530.9	2531.1	2537.9	2551.3
12°	2517.9	2520.5	2527.7	2528.3	2535.9	2529.7	2521.1	2518.7	2518.7	2524.7	2534.3
13°	2510.1	2510.1	2514.9	2516.3	2525.3	2520.9	2505.1	2502.3	2506.3	2507.5	2521.3
14°	2494.7	2497.3	2500.3	2505.1	2510.5	2506.5	2495.3	2489.1	2493.1	2494.1	2509.9
15°	2481.3	2479.7	2488.1	2492.1	2499.1	2491.5	2483.5	2475.1	2479.3	2482.1	2494.9
16°	2462.1	2465.9	2474.9	2476.9	2486.3	2478.3	2466.1	2453.1	2460.3	2465.5	2483.5
17°	2443.9	2447.5	2454.1	2462.1	2470.9	2466.1	2454.5	2438.3	2439.1	2449.7	2466.1
18°	2426.1	2432.7	2437.1	2444.5	2456.1	2451.1	2436.1	2419.9	2420.9	2430.9	2451.1
19°	2405.5	2411.1	2421.5	2433.3	2442.1	2434.3	2417.5	2396.7	2403.7	2411.7	2434.5
20°	2385.3	2389.7	2403.9	2415.3	2425.5	2417.3	2399.5	2379.5	2382.1	2389.1	2416.7
21°	2363.7	2365.5	2381.7	2395.9	2409.5	2397.7	2379.3	2358.7	2360.7	2369.5	2397.3
22°	2340.1	2345.3	2363.1	2380.1	2391.9	2381.7	2359.7	2339.3	2337.5	2350.1	2378.3
23°	2316.7	2322.9	2340.1	2358.5	2370.5	2361.9	2340.3	2317.1	2312.9	2326.9	2358.3
24°	2293.7	2302.5	2317.7	2338.5	2350.1	2339.7	2320.7	2292.7	2288.3	2302.9	2337.3
25°	2270.3	2278.3	2296.5	2321.5	2332.9	2319.5	2295.5	2267.7	2262.9	2280.3	2315.3
26°	2245.5	2251.9	2273.5	2298.5	2313.7	2300.7	2271.7	2243.5	2235.1	2255.1	2295.3
27°	2219.3	2225.9	2252.5	2276.1	2290.9	2281.9	2249.3	2214.7	2207.9	2227.1	2271.7
28°	2190.1	2201.7	2228.1	2253.7	2270.9	2258.5	2226.3	2188.7	2181.5	2201.3	2247.7
29°	2161.5	2175.5	2203.9	2234.1	2250.9	2235.3	2200.3	2162.1	2152.1	2175.7	2223.5
30°	2132.7	2143.3	2178.9	2211.1	2229.1	2211.1	2176.1	2135.5	2124.5	2146.5	2199.3
31°	2103.1	2116.3	2154.3	2188.3	2202.7	2188.7	2151.7	2104.3	2096.3	2118.3	2172.5
32°	2074.3	2087.7	2127.5	2162.5	2179.9	2165.3	2124.1	2075.1	2065.5	2090.9	2146.7
33°	2045.1	2058.5	2100.1	2137.7	2157.9	2136.9	2095.5	2048.9	2033.3	2060.7	2121.3
34°	2012.5	2027.3	2070.1	2113.9	2132.3	2112.7	2068.1	2014.9	2002.9	2031.7	2094.1
35°	1979.7	1997.6	2041.1	2088.5	2107.5	2086.1	2040.1	1983.3	1971.5	2000.7	2067.1
36°	1947.8	1968.6	2012.1	2062.1	2086.7	2063.1	2010.3	1953.2	1938.1	1969.9	2037.5
37°	1916.9	1939.2	1983.5	2035.9	2061.7	2035.5	1979.9	1923.9	1905.7	1939.0	2010.9
38°	1885.1	1903.3	1955.3	2009.1	2032.1	2007.5	1953.4	1886.8	1870.4	1908.2	1977.9
39°	1848.7	1872.3	1925.6	1981.8	2007.9	1982.7	1924.4	1852.3	1835.7	1877.5	1950.4
40°	1815.2	1839.6	1895.0	1957.4	1982.8	1955.5	1893.9	1820.9	1800.0	1845.6	1919.0
41°	1777.9	1805.8	1866.1	1930.7	1954.5	1928.0	1860.5	1788.5	1766.4	1813.6	1889.5
42°	1743.0	1770.6	1832.1	1901.3	1929.6	1899.4	1827.7	1753.8	1731.1	1778.3	1861.3
43°	1706.0	1736.3	1803.2	1874.3	1898.0	1871.2	1796.5	1719.3	1696.1	1743.1	1828.9
44°	1670.1	1702.8	1770.0	1845.1	1873.5	1842.2	1765.5	1681.8	1659.4	1712.8	1796.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1634.5	1668.1	1740.5	1818.6	1846.9	1812.9	1730.8	1646.7	1622.7	1676.6	1765.5
46°	1598.2	1631.5	1705.6	1788.8	1818.4	1784.0	1699.6	1611.6	1584.2	1641.6	1735.9
47°	1562.0	1595.9	1672.2	1760.2	1790.2	1754.0	1663.7	1575.6	1550.2	1604.2	1703.0
48°	1525.0	1559.7	1642.0	1730.4	1763.2	1726.3	1630.3	1538.5	1511.8	1569.2	1675.8
49°	1487.3	1524.2	1607.6	1701.1	1734.7	1695.0	1596.3	1500.5	1475.1	1531.5	1639.3
50°	1448.4	1486.3	1573.7	1669.4	1704.6	1664.0	1564.7	1465.0	1435.8	1495.5	1606.2
51°	1410.5	1446.8	1543.3	1637.4	1674.9	1635.0	1531.5	1428.1	1397.3	1458.4	1576.9
52°	1371.2	1412.8	1509.7	1608.6	1643.5	1602.0	1495.6	1389.8	1359.8	1424.8	1543.2
53°	1332.3	1375.8	1476.0	1579.8	1614.4	1571.7	1464.1	1353.0	1320.4	1386.8	1511.0
54°	1293.3	1339.0	1442.1	1547.0	1583.0	1540.1	1428.1	1315.1	1282.0	1349.9	1479.1
55°	1254.5	1301.4	1407.7	1513.0	1552.3	1510.1	1394.4	1277.6	1245.6	1312.5	1446.1
56°	1218.2	1262.9	1374.0	1481.3	1518.6	1475.2	1359.5	1240.9	1203.6	1275.8	1411.4
57°	1178.0	1225.0	1338.0	1452.1	1489.3	1445.3	1325.3	1202.7	1164.2	1239.4	1378.3
58°	1138.5	1187.7	1304.0	1417.2	1458.9	1412.6	1290.0	1165.7	1123.5	1199.5	1345.8
59°	1099.0	1148.4	1270.0	1386.2	1429.8	1380.3	1256.2	1126.6	1083.7	1163.4	1310.6
60°	1059.1	1108.8	1234.8	1354.1	1397.6	1345.5	1220.6	1085.9	1043.6	1127.2	1277.2
61°	1018.4	1070.5	1201.1	1319.7	1364.3	1314.1	1188.1	1048.7	1003.2	1088.9	1242.8
62°	979.8	1032.7	1167.6	1288.3	1333.8	1282.0	1152.9	1009.5	964.1	1050.5	1208.3
63°	938.9	995.2	1129.9	1251.8	1300.8	1246.2	1115.3	972.2	922.0	1015.3	1175.0
64°	897.4	957.7	1095.3	1220.0	1269.3	1214.6	1080.5	934.3	879.9	977.3	1140.5
65°	857.7	918.7	1061.1	1188.5	1234.1	1178.5	1046.2	896.5	839.8	939.0	1105.8
66°	816.8	882.1	1027.2	1155.5	1202.4	1147.1	1012.0	857.0	800.2	902.6	1074.0
67°	776.6	843.8	990.4	1123.6	1168.7	1113.1	975.7	820.9	760.4	865.8	1041.0
68°	735.5	806.6	955.0	1087.1	1137.2	1078.8	940.8	783.4	719.0	827.9	1006.3
69°	695.3	769.1	921.7	1053.7	1102.1	1045.1	905.7	746.2	679.3	790.5	971.7
70°	653.9	731.9	887.2	1017.8	1068.5	1010.7	869.7	709.1	636.7	754.8	937.6
71°	611.8	695.4	851.9	985.0	1035.5	976.2	834.4	671.6	595.7	717.7	902.1
72°	571.5	657.9	819.7	951.1	1001.5	942.9	799.7	635.1	556.7	680.9	869.4
73°	530.7	620.8	784.8	913.3	966.7	909.4	765.4	597.1	516.7	644.2	833.8
74°	491.3	585.5	750.2	878.2	932.3	876.1	731.1	564.2	475.8	608.5	800.6
75°	451.1	549.2	715.4	843.4	899.8	843.2	696.7	526.4	436.2	571.8	764.7
76°	412.4	514.4	682.3	812.0	864.1	807.2	662.6	490.3	397.4	537.3	731.2
77°	373.7	480.7	648.7	780.6	832.3	777.0	630.6	456.0	358.7	502.1	697.6
78°	335.6	446.9	614.9	747.4	797.8	739.7	594.7	423.0	320.7	467.8	663.1
79°	298.5	413.9	581.9	714.7	767.3	711.5	565.1	390.3	283.7	434.5	630.1
80°	263.0	381.8	550.7	680.9	734.0	676.7	532.1	358.2	248.2	401.0	597.0
81°	228.1	351.3	519.0	650.8	702.2	647.8	503.1	327.9	214.0	370.4	566.9
82°	195.2	321.4	488.8	619.1	670.3	617.1	472.3	297.9	180.5	337.9	535.3
83°	163.9	292.9	459.8	589.5	640.8	588.3	444.1	270.1	148.9	309.8	506.3
84°	134.9	265.1	432.6	560.2	614.6	558.8	417.3	244.1	120.6	281.6	478.6
85°	108.4	239.5	407.3	534.2	586.2	533.6	393.1	220.3	96.5	255.2	452.6
86°	84.4	215.1	382.5	508.8	562.2	509.5	369.6	198.0	74.4	231.8	428.3
87°	63.4	193.9	358.4	483.8	537.5	486.4	347.4	177.8	54.6	211.0	404.6
88°	47.6	176.2	338.9	463.8	519.7	468.7	330.1	159.7	39.3	192.9	382.7
89°	36.9	161.3	324.7	446.2	499.1	448.9	313.8	145.6	29.0	176.1	364.0



TEST NUMBER: P600975

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 277V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	32.2	150.7	311.2	432.3	485.9	436.2	301.4	135.6	24.4	162.9	349.7
91°	30.7	142.7	300.5	418.6	470.2	420.8	288.7	127.2	23.4	153.3	336.4
92°	30.0	134.5	289.5	406.2	458.3	409.9	281.0	120.1	23.0	144.9	324.6
93°	29.2	127.0	279.1	394.8	442.9	395.6	270.3	112.3	22.5	136.3	312.4
94°	28.5	119.9	268.8	382.4	430.8	384.6	259.9	106.0	22.5	127.7	301.2
95°	27.8	113.0	259.0	371.4	418.2	371.3	249.8	99.2	22.0	119.5	288.8
96°	27.5	105.7	249.4	359.9	404.4	360.5	241.1	93.2	20.5	112.4	278.0
97°	26.6	99.9	239.9	347.9	393.0	346.9	230.3	87.5	20.3	105.1	266.6
98°	26.1	94.1	230.0	337.7	379.3	336.9	221.7	82.0	19.8	98.5	256.4
99°	25.6	88.4	221.2	327.6	367.8	326.2	212.5	77.1	19.6	92.0	246.0
100°	25.1	83.3	211.7	316.4	355.1	315.6	203.2	72.4	18.9	85.9	235.2
101°	24.9	78.8	203.3	305.7	344.3	304.2	194.6	67.2	18.8	80.0	226.1
102°	24.9	74.3	194.7	293.9	331.1	293.4	186.5	63.0	18.8	75.4	215.1
103°	24.4	69.7	186.2	283.9	322.2	282.5	179.5	58.6	18.8	70.4	206.5
104°	23.9	65.4	178.1	273.1	308.8	271.1	171.1	54.2	18.8	65.6	197.7
105°	23.4	61.3	170.4	262.7	299.4	261.6	163.4	50.4	18.7	61.0	188.5
106°	23.0	56.9	162.7	252.2	287.2	250.9	155.4	46.7	18.7	56.6	180.2
107°	22.2	53.5	155.3	243.1	277.6	242.3	148.2	43.1	18.6	52.4	171.3
108°	21.8	49.9	147.5	232.9	265.8	231.9	140.4	39.8	18.4	48.1	163.0
109°	21.5	46.0	140.7	223.3	256.8	224.0	133.5	36.4	18.1	44.4	156.0
110°	21.3	42.6	133.7	214.2	244.9	214.2	126.2	33.2	17.4	40.4	147.0
111°	20.8	39.2	127.0	205.2	236.4	205.2	119.9	30.6	17.2	37.0	140.3
112°	20.1	36.3	120.3	196.8	225.6	195.8	113.3	27.2	17.2	33.8	132.1
113°	19.8	33.1	113.9	187.6	216.6	186.6	107.0	24.6	16.7	30.0	124.9
114°	19.6	30.8	107.9	178.8	207.0	177.0	100.9	22.0	16.4	27.3	118.6
115°	19.1	28.1	101.6	170.2	198.4	169.3	94.9	20.3	16.0	24.2	111.5
116°	18.6	25.7	95.9	162.4	188.7	159.8	88.7	18.8	15.5	22.0	104.8
117°	18.1	23.5	90.2	154.0	179.5	152.6	83.5	16.4	15.7	19.4	98.8
118°	17.9	22.0	84.7	146.3	171.3	144.3	78.5	15.7	15.4	17.4	92.2
119°	17.4	20.6	79.8	138.8	163.0	136.8	73.1	14.7	15.0	15.5	86.3
120°	17.2	19.8	74.4	131.2	155.4	129.2	68.0	14.7	14.7	14.8	80.0
121°	16.9	19.1	69.4	124.6	145.8	122.1	62.6	14.9	14.4	14.5	74.7
122°	16.4	18.9	64.4	117.1	139.3	115.1	57.9	14.5	14.0	14.5	69.9
123°	15.9	18.4	59.7	110.3	130.4	108.2	53.2	14.5	13.5	14.0	63.8
124°	15.2	17.9	54.8	103.6	123.5	101.0	48.2	13.3	12.6	13.8	58.8
125°	14.5	17.9	50.0	96.9	114.8	94.7	43.7	13.0	12.3	13.4	54.2
126°	14.3	17.4	45.6	90.5	108.8	87.8	39.2	12.5	12.1	13.0	48.6
127°	13.8	16.9	41.1	84.4	100.6	81.6	34.9	12.0	11.4	12.6	43.7
128°	13.5	16.5	36.9	78.9	94.9	76.0	31.5	11.6	11.0	12.3	39.0
129°	13.1	16.0	33.1	72.7	87.0	69.8	27.0	11.3	10.6	11.9	34.6
130°	12.8	15.6	29.4	66.8	81.7	64.1	23.9	11.1	10.2	11.6	30.4
131°	12.3	15.1	25.7	61.3	74.6	58.4	20.2	10.8	9.8	11.2	26.0
132°	12.1	14.7	22.3	55.6	69.6	52.6	17.1	10.6	9.4	11.0	23.3
133°	11.8	14.3	19.2	50.3	62.8	47.6	14.6	10.4	8.9	10.8	18.7
134°	11.4	13.8	16.5	45.5	57.5	42.1	11.8	10.1	8.2	10.6	15.1





TEST NUMBER: P600975

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 277V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	11.4	13.5	14.8	40.5	51.1	37.6	10.7	9.9	8.2	10.4	12.4
136°	11.1	13.1	13.8	35.8	45.9	32.9	10.0	9.2	8.1	10.1	11.2
137°	10.6	13.1	13.1	31.3	40.1	28.3	9.5	8.9	8.0	9.2	11.2
138°	10.4	12.4	13.1	27.3	35.6	24.1	9.0	8.4	8.0	8.7	9.5
139°	10.2	12.3	12.6	23.1	30.1	20.1	8.3	8.0	7.9	8.5	8.8
140°	9.9	11.9	12.2	19.4	26.1	16.5	8.0	7.7	7.9	8.0	8.8
141°	9.7	11.1	12.2	16.0	21.2	13.1	7.8	7.2	7.8	7.7	8.5
142°	9.4	10.9	11.7	13.6	17.1	10.8	7.3	7.0	7.7	7.5	8.4
143°	9.1	10.4	11.4	12.2	13.2	9.1	7.2	7.2	7.5	7.7	8.2
144°	8.8	10.4	10.9	11.9	10.7	8.6	7.1	7.0	6.8	7.5	8.1
145°	8.5	10.4	10.4	11.4	8.3	8.1	7.0	7.2	6.7	7.5	7.9
146°	8.2	9.9	10.2	11.2	7.8	7.8	6.9	6.7	6.6	7.5	7.8
147°	8.1	9.2	10.0	11.0	7.7	7.7	6.8	6.7	6.5	7.5	7.8
148°	7.9	9.2	9.7	10.8	7.6	7.6	6.8	6.7	6.5	7.5	8.0
149°	7.8	8.7	9.2	10.6	7.5	7.5	6.3	6.7	6.6	7.5	7.8
150°	7.6	8.7	9.5	10.5	7.4	7.4	6.1	6.7	6.6	7.5	7.8
151°	7.5	8.5	9.3	10.0	7.3	7.2	6.1	6.7	6.6	7.5	7.7
152°	7.5	8.0	9.1	10.0	7.1	7.1	6.2	6.7	6.7	7.5	7.6
153°	7.3	8.0	8.9	9.5	7.1	7.0	6.2	6.7	6.7	7.5	7.5
154°	7.3	8.1	8.7	9.2	7.0	6.9	6.3	6.7	6.8	7.5	7.4
155°	7.3	8.1	8.5	9.2	7.0	6.8	6.4	6.7	6.8	7.5	7.3
156°	7.3	8.1	8.5	9.0	7.0	6.8	6.5	6.7	6.8	7.5	7.2
157°	7.3	8.2	8.5	8.9	6.9	6.8	6.5	6.7	6.9	7.5	7.1
158°	7.3	8.2	8.5	8.8	6.9	6.8	6.6	6.7	6.9	7.5	7.0
159°	7.3	8.5	8.5	8.8	6.8	6.9	6.7	6.7	6.9	7.5	6.9
160°	7.3	8.5	8.5	8.7	6.8	6.9	6.7	6.7	7.0	7.5	6.8
161°	7.4	8.5	8.5	8.6	6.8	6.9	6.8	7.0	7.0	8.0	7.8
162°	7.5	8.5	8.5	8.5	6.7	7.0	6.9	7.7	7.7	8.2	8.7
163°	7.5	8.6	8.5	8.5	6.7	7.0	7.0	7.9	8.7	8.9	9.0
164°	7.6	8.6	8.5	8.0	6.7	7.0	7.1	8.2	9.2	9.2	9.5
165°	7.7	8.6	8.5	8.0	6.6	7.0	7.2	8.4	9.7	9.2	9.7
166°	7.8	8.6	8.5	8.0	6.6	7.1	7.3	8.9	9.9	9.4	9.7
167°	8.0	8.6	8.5	7.9	6.6	7.1	7.4	9.2	10.4	9.5	10.4
168°	8.2	8.7	8.5	7.8	6.5	7.1	7.5	9.1	11.1	9.5	10.9
169°	8.4	8.7	8.5	7.8	6.5	7.2	7.6	9.1	11.1	9.5	10.9
170°	8.5	8.7	8.5	7.7	6.4	7.2	7.8	9.1	11.1	9.5	11.2
171°	8.7	9.2	8.5	7.7	6.5	7.2	7.8	9.1	11.0	9.5	11.2
172°	8.9	9.9	8.5	7.7	6.6	7.3	7.9	9.0	11.0	9.6	11.7
173°	9.2	10.4	8.5	7.7	6.7	7.3	8.0	9.0	11.0	9.6	12.4
174°	9.4	11.6	8.5	7.7	6.8	7.3	8.1	9.0	11.0	9.6	12.2
175°	9.7	11.4	8.5	7.8	6.9	7.3	8.2	9.0	10.9	9.6	12.2
176°	9.9	11.6	8.5	7.8	6.9	7.6	8.3	8.9	10.9	9.7	11.9
177°	9.7	11.9	8.5	7.8	6.9	7.8	8.3	8.9	10.9	9.7	12.2
178°	9.7	11.9	8.5	7.8	7.1	7.6	8.3	8.9	10.9	9.7	11.9
179°	9.7	11.9	8.5	7.8	7.3	7.6	8.3	8.9	10.9	9.7	11.9



TEST NUMBER: P600975  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7

TEST NUMBER: P600975

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2601.1	2601.1	2601.1	2601.1	2601.1	2601.1
1°	2598.9	2600.5	2604.3	2602.7	2601.1	2601.3
2°	2599.1	2600.1	2603.5	2602.5	2601.3	2598.9
3°	2596.1	2600.5	2603.9	2602.7	2599.9	2597.7
4°	2594.3	2599.9	2601.7	2596.7	2593.9	2592.7
5°	2590.9	2590.7	2601.7	2595.5	2590.7	2587.5
6°	2585.9	2588.3	2595.9	2592.3	2587.5	2581.9
7°	2583.3	2585.3	2589.5	2584.3	2579.1	2572.7
8°	2574.1	2579.7	2587.1	2581.1	2570.9	2563.9
9°	2568.5	2572.7	2578.3	2573.3	2562.1	2555.7
10°	2563.1	2560.5	2570.3	2568.9	2551.9	2544.9
11°	2554.5	2553.3	2560.3	2560.5	2541.1	2532.3
12°	2544.7	2547.7	2551.1	2549.3	2531.3	2517.9
13°	2533.9	2536.5	2542.7	2539.9	2516.5	2510.1
14°	2524.1	2527.9	2530.5	2530.3	2502.5	2494.7
15°	2512.1	2512.3	2521.1	2515.3	2489.3	2481.3
16°	2497.7	2499.7	2508.9	2497.9	2474.1	2462.1
17°	2485.3	2487.3	2494.9	2482.5	2458.7	2443.9
18°	2470.5	2473.9	2481.1	2465.9	2439.5	2426.1
19°	2453.3	2461.9	2466.9	2449.7	2418.3	2405.5
20°	2439.7	2447.9	2449.9	2433.9	2397.1	2385.3
21°	2419.9	2429.7	2435.5	2417.9	2377.9	2363.7
22°	2401.1	2415.5	2416.3	2398.1	2355.7	2340.1
23°	2381.9	2396.5	2402.3	2380.1	2333.1	2316.7
24°	2365.1	2380.7	2381.3	2357.7	2310.5	2293.7
25°	2341.1	2361.3	2359.5	2335.7	2286.9	2270.3
26°	2322.7	2342.1	2340.5	2314.9	2263.1	2245.5
27°	2304.1	2322.1	2323.1	2290.5	2239.5	2219.3
28°	2284.7	2305.1	2300.7	2266.7	2210.5	2190.1
29°	2266.5	2280.9	2277.9	2242.9	2183.3	2161.5
30°	2243.3	2258.9	2254.9	2218.7	2157.1	2132.7
31°	2220.3	2239.1	2234.3	2192.9	2128.5	2103.1
32°	2197.7	2216.1	2212.7	2168.1	2096.1	2074.3
33°	2173.3	2191.7	2189.9	2142.5	2071.5	2045.1
34°	2149.7	2168.7	2166.7	2114.1	2041.9	2012.5
35°	2123.5	2145.3	2141.5	2085.5	2008.3	1979.7
36°	2098.9	2122.1	2115.7	2058.7	1980.4	1947.8
37°	2071.5	2099.1	2089.9	2025.7	1948.0	1916.9
38°	2046.7	2078.3	2063.3	1998.7	1916.0	1885.1
39°	2021.7	2054.3	2038.9	1968.6	1885.6	1848.7
40°	1997.0	2028.3	2011.5	1937.9	1853.5	1815.2
41°	1969.2	2002.1	1984.2	1906.8	1819.0	1777.9
42°	1943.8	1976.0	1958.6	1876.2	1786.1	1743.0
43°	1914.4	1949.0	1930.8	1843.6	1752.4	1706.0
44°	1889.3	1923.2	1902.3	1813.2	1718.5	1670.1

TEST NUMBER: P600975

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1860.2	1895.9	1875.6	1780.4	1684.0	1634.5
46°	1828.6	1866.6	1847.5	1749.1	1648.2	1598.2
47°	1801.1	1842.1	1818.5	1717.7	1611.7	1562.0
48°	1773.5	1813.9	1788.6	1682.8	1576.3	1525.0
49°	1747.2	1782.8	1756.8	1650.4	1541.2	1487.3
50°	1715.0	1757.8	1728.5	1618.4	1504.3	1448.4
51°	1688.9	1728.0	1697.1	1587.4	1467.9	1410.5
52°	1657.5	1703.9	1665.6	1554.0	1430.4	1371.2
53°	1627.3	1674.9	1636.9	1519.1	1393.5	1332.3
54°	1596.6	1645.1	1607.4	1485.9	1358.6	1293.3
55°	1568.0	1618.5	1576.5	1454.7	1319.7	1254.5
56°	1535.4	1586.4	1542.6	1418.7	1284.2	1218.2
57°	1504.6	1555.5	1510.5	1384.3	1247.1	1178.0
58°	1474.0	1527.7	1478.2	1349.6	1209.6	1138.5
59°	1443.1	1493.9	1445.8	1317.9	1173.3	1099.0
60°	1411.4	1463.5	1414.5	1282.3	1135.3	1059.1
61°	1376.3	1431.1	1380.5	1248.4	1095.8	1018.4
62°	1345.5	1399.8	1350.5	1214.7	1059.2	979.8
63°	1315.5	1369.7	1317.9	1181.5	1020.1	938.9
64°	1283.0	1338.9	1287.5	1145.1	982.3	897.4
65°	1247.0	1308.4	1253.2	1111.4	944.7	857.7
66°	1216.1	1273.7	1218.3	1076.4	907.1	816.8
67°	1181.8	1241.6	1186.6	1042.3	868.3	776.6
68°	1149.9	1209.4	1150.0	1007.9	829.8	735.5
69°	1115.0	1176.0	1118.6	972.9	792.8	695.3
70°	1081.0	1141.8	1086.1	937.2	757.2	653.9
71°	1045.9	1109.6	1051.4	901.4	718.9	611.8
72°	1014.1	1078.1	1018.4	866.8	682.5	571.5
73°	978.5	1041.9	982.7	831.5	645.3	530.7
74°	946.0	1009.3	951.6	798.0	608.3	491.3
75°	912.9	971.0	916.1	763.1	573.2	451.1
76°	879.7	937.1	883.9	729.6	538.5	412.4
77°	848.2	899.1	850.4	696.2	503.0	373.7
78°	814.3	863.7	816.9	662.5	468.0	335.6
79°	782.8	829.0	784.4	629.6	434.9	298.5
80°	748.8	793.6	751.6	597.9	401.8	263.0
81°	717.0	761.0	719.6	566.9	369.9	228.1
82°	684.9	727.0	686.3	536.8	339.4	195.2
83°	657.0	696.4	656.2	507.6	309.7	163.9
84°	627.3	666.1	626.1	478.8	282.0	134.9
85°	599.2	637.2	596.2	452.4	255.5	108.4
86°	574.9	608.4	570.5	426.8	231.1	84.4
87°	551.1	583.3	544.5	401.8	206.7	63.4
88°	529.1	559.4	520.7	378.8	188.5	47.6
89°	508.2	539.7	501.3	361.1	171.7	36.9

TEST NUMBER: P600975

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	491.7	520.8	482.0	344.1	159.0	32.2
91°	474.3	506.3	466.9	331.4	149.2	30.7
92°	461.8	490.9	453.7	318.9	141.0	30.0
93°	446.6	477.5	439.0	307.8	132.4	29.2
94°	433.3	463.3	426.0	295.7	124.8	28.5
95°	418.6	450.5	412.7	284.2	117.4	27.8
96°	405.5	437.3	398.8	274.1	110.2	27.5
97°	391.3	424.8	386.2	263.2	103.0	26.6
98°	379.0	412.6	374.0	253.5	96.3	26.1
99°	365.1	399.6	361.6	243.6	90.6	25.6
100°	354.1	387.3	350.5	233.2	84.8	25.1
101°	340.1	375.8	338.1	222.9	80.3	24.9
102°	328.7	364.3	326.4	213.7	75.3	24.9
103°	316.4	352.4	314.6	204.5	70.3	24.4
104°	305.5	342.0	302.8	195.8	65.8	23.9
105°	293.5	331.9	291.7	187.1	61.7	23.4
106°	282.3	320.8	280.9	178.3	57.1	23.0
107°	270.9	309.8	271.0	169.9	53.0	22.2
108°	259.5	298.5	260.8	161.4	49.4	21.8
109°	249.6	286.4	250.9	153.7	45.8	21.5
110°	240.1	275.5	240.5	146.0	42.4	21.3
111°	228.2	264.0	229.9	138.3	38.8	20.8
112°	218.9	253.0	219.7	131.1	36.1	20.1
113°	209.3	242.6	210.0	124.3	33.2	19.8
114°	200.0	232.7	200.9	117.3	30.4	19.6
115°	190.9	222.3	191.0	110.7	27.9	19.1
116°	181.7	212.4	182.1	104.3	25.5	18.6
117°	172.9	203.3	173.0	98.2	23.4	18.1
118°	164.3	193.6	165.2	92.4	22.2	17.9
119°	155.4	184.4	156.5	86.6	21.2	17.4
120°	147.5	175.0	148.3	81.6	21.0	17.2
121°	138.9	166.6	140.5	76.0	20.2	16.9
122°	131.6	158.2	132.3	70.6	19.8	16.4
123°	123.6	149.5	125.0	65.3	19.8	15.9
124°	115.7	140.9	117.1	60.0	19.5	15.2
125°	109.3	133.3	110.6	55.3	18.8	14.5
126°	101.5	124.7	103.2	50.3	18.6	14.3
127°	94.8	117.8	96.0	45.6	18.3	13.8
128°	88.1	109.8	89.5	41.2	17.6	13.5
129°	81.0	102.8	82.5	36.9	17.3	13.1
130°	75.3	95.6	76.8	32.6	17.1	12.8
131°	69.1	88.4	70.3	28.8	16.4	12.3
132°	62.6	81.9	64.3	25.3	15.9	12.1
133°	57.2	75.5	58.2	21.9	15.4	11.8
134°	50.8	69.0	52.7	18.8	15.2	11.4



TEST NUMBER: P600975

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	45.6	62.8	47.4	16.8	14.7	11.4
136°	40.3	56.8	41.9	15.6	14.2	11.1
137°	34.6	51.1	37.2	14.9	13.5	10.6
138°	30.0	45.5	32.1	14.4	13.3	10.4
139°	25.1	40.0	27.9	14.0	12.8	10.2
140°	20.7	34.8	23.4	13.6	12.3	9.9
141°	16.6	30.0	19.6	13.2	12.0	9.7
142°	12.5	25.5	16.1	12.8	11.8	9.4
143°	10.3	21.2	14.2	12.4	11.6	9.1
144°	9.2	17.2	13.5	12.2	10.6	8.8
145°	8.5	14.2	13.0	11.9	10.8	8.5
146°	8.3	12.8	12.7	11.2	10.5	8.2
147°	8.0	12.5	12.5	11.0	10.3	8.1
148°	7.8	12.0	12.0	10.7	10.0	7.9
149°	7.3	11.8	11.8	10.2	9.7	7.8
150°	7.5	11.3	11.8	10.0	9.4	7.6
151°	7.3	11.0	11.3	10.0	9.2	7.5
152°	7.1	10.8	10.8	9.7	9.0	7.5
153°	7.1	10.5	10.8	9.7	8.8	7.3
154°	7.1	10.3	10.6	9.7	8.8	7.3
155°	7.1	10.0	10.5	9.7	8.9	7.3
156°	7.1	9.6	10.3	9.6	8.9	7.3
157°	7.2	9.6	10.2	9.6	8.9	7.3
158°	7.2	9.3	10.0	9.6	8.9	7.3
159°	7.2	9.5	9.8	9.5	9.0	7.3
160°	7.2	9.1	9.6	9.5	9.0	7.3
161°	7.3	9.3	9.3	9.5	9.0	7.4
162°	7.3	9.1	9.6	9.5	9.0	7.5
163°	7.8	9.1	9.5	9.4	9.1	7.5
164°	7.5	8.8	9.4	9.4	9.1	7.6
165°	7.8	8.6	9.3	9.4	9.1	7.7
166°	8.0	8.3	9.2	9.3	9.1	7.8
167°	8.5	8.3	9.1	9.3	9.2	8.0
168°	8.8	8.6	9.1	9.3	9.4	8.2
169°	8.7	8.1	8.8	9.3	9.9	8.4
170°	8.7	7.8	8.6	9.2	9.9	8.5
171°	8.7	7.8	8.5	9.2	10.1	8.7
172°	8.6	8.1	8.5	9.2	10.6	8.9
173°	8.6	7.6	8.4	9.1	10.6	9.2
174°	8.6	7.6	8.4	9.1	10.6	9.4
175°	8.6	7.4	8.3	9.1	10.8	9.7
176°	8.5	7.3	8.3	9.1	10.8	9.9
177°	8.5	7.3	8.3	9.0	10.8	9.7
178°	8.5	7.3	8.3	9.0	10.8	9.7
179°	8.5	7.3	8.3	9.0	10.8	9.7



TEST NUMBER: P600975  
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	9.7	9.7	9.7	9.7	9.7	9.7

(END OF REPORT)