

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: P600974

Luminaire Tested: 8APVTL-D-SL3C3 LO POWER 5000K 120V

Issue Date: 1/11/2023

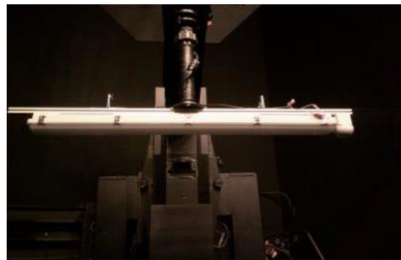
**Test Information**

Test Method: LM-79-2019  
Report Number: P600974  
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 5000K 120V  
Description: LOW POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

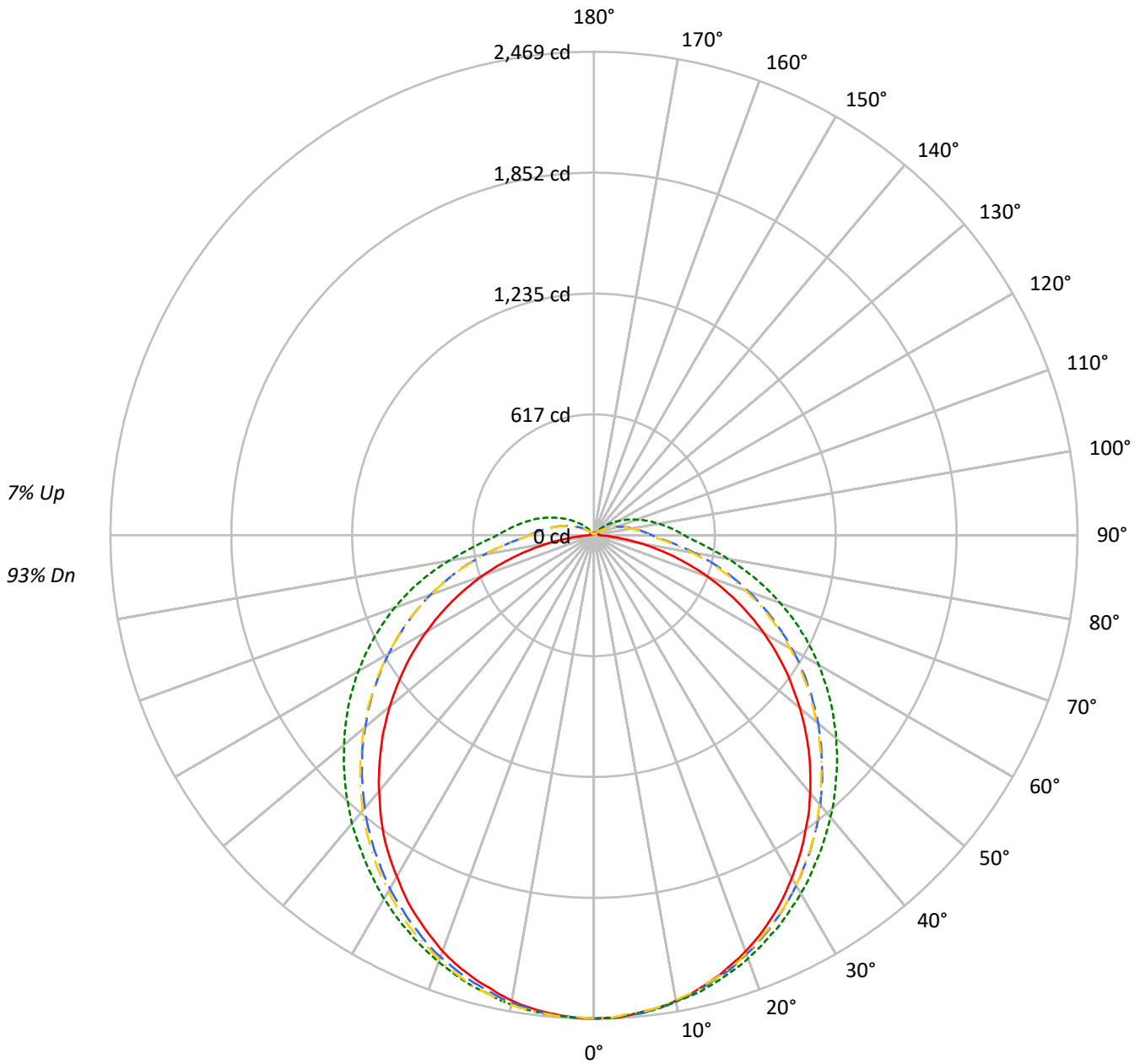
Lumens per Lamp: N/A  
Luminaire Lumens: 8378.6 lumens  
Efficiency: N/A  
Efficacy: 142.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 59  
Input Voltage (V): 120  
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: P600974  
CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 120V

### 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°	9960	9960	9960	9960
5°	9929	9721	9927	9750
10°	9872	9491	9873	9554
15°	9790	9282	9777	9343
20°	9679	9060	9673	9131
25°	9539	8836	9512	8915
30°	9361	8605	9325	8734
35°	9166	8384	9155	8536
40°	8973	8182	8916	8372
45°	8761	7987	8686	8204
50°	8514	7816	8442	8058
55°	8261	7641	8165	7944
60°	7964	7471	7844	7827
65°	7600	7274	7466	7705
70°	7087	7090	6970	7578
75°	6418	6892	6215	7424
80°	5450	6678	5182	7233
85°	4209	6693	3787	7243

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 11664 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.3	2.8
10°-20°	667.0	8.0
20°-30°	1009.0	12.0
30°-40°	1219.3	14.6
40°-50°	1283.4	15.3
50°-60°	1206.0	14.4
60°-70°	1005.5	12.0
70°-80°	717.3	8.6
80°-90°	420.1	5.0
90°-100°	261.4	3.1
100°-110°	171.8	2.0
110°-120°	100.9	1.2
120°-130°	51.3	0.6
130°-140°	19.7	0.2
140°-150°	6.2	0.1
150°-160°	3.5	0.0
160°-170°	2.2	0.0
170°-180°	0.8	0.0
0°-30°	1909.3	22.8
0°-40°	3128.6	37.3
0°-60°	5617.9	67.1
0°-90°	7760.8	92.6
90°-120°	534.1	6.4
90°-150°	611.2	7.3
90°-180°	618.0	7.4
0°-180°	8378.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2468	2468	2468	2468	2468	
5°	2453	2452	2452	2459	2453	233
15°	2349	2370	2346	2386	2349	663
25°	2152	2215	2146	2235	2152	991
35°	1874	1999	1871	2035	1874	1173
45°	1551	1749	1537	1796	1551	1195
55°	1191	1474	1178	1532	1191	1064
65°	814	1170	799	1239	814	803
75°	428	854	414	920	428	452
85°	102	558	92	603	102	113
90°	30	462	23	494	30	19
95°	27	397	21	427	27	21
105°	22	284	18	315	22	23
115°	18	189	15	211	18	18
125°	14	109	12	126	14	13
135°	10	49	8	60	10	8
145°	8	8	8	14	8	5
155°	7	6	6	9	7	3
165°	7	6	9	8	7	2
175°	8	6	11	7	8	1
180°	9	9	9	9	9	



TEST NUMBER: P600974

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5
1°	2467.6	2467.8	2468.6	2465.7	2465.0	2469.0	2467.6	2465.7	2467.8	2464.8	2466.7
2°	2467.6	2467.6	2468.0	2462.8	2465.0	2463.2	2466.5	2464.6	2467.1	2464.8	2465.3
3°	2466.3	2466.9	2462.1	2461.1	2461.7	2461.9	2459.0	2460.7	2462.3	2464.0	2462.6
4°	2459.0	2462.5	2457.1	2460.9	2455.9	2458.0	2450.2	2458.4	2458.8	2460.9	2460.7
5°	2452.7	2458.6	2455.7	2456.1	2451.7	2450.6	2446.9	2449.0	2452.3	2454.8	2456.3
6°	2444.2	2450.6	2452.7	2451.7	2447.5	2448.6	2445.0	2442.9	2447.5	2450.4	2453.6
7°	2439.6	2444.4	2442.5	2447.1	2444.8	2439.4	2440.0	2436.7	2440.8	2445.2	2445.2
8°	2432.1	2436.0	2437.3	2436.1	2435.6	2430.8	2430.6	2427.9	2432.9	2434.0	2436.9
9°	2425.8	2426.9	2428.9	2434.0	2425.8	2425.4	2419.6	2419.1	2424.1	2427.9	2431.9
10°	2412.9	2418.1	2417.9	2420.6	2417.7	2413.5	2410.6	2410.4	2413.1	2418.7	2421.7
11°	2407.5	2408.5	2406.4	2411.2	2409.6	2406.0	2399.3	2398.7	2401.0	2407.9	2414.1
12°	2393.1	2396.6	2396.4	2401.4	2402.2	2397.9	2389.1	2386.4	2388.1	2396.8	2402.2
13°	2377.4	2384.3	2385.8	2390.4	2395.2	2388.7	2378.2	2375.7	2372.0	2385.5	2389.5
14°	2364.5	2373.9	2368.4	2378.7	2380.3	2373.4	2363.4	2361.4	2360.9	2370.1	2377.0
15°	2349.3	2357.6	2355.5	2365.1	2369.9	2363.4	2351.3	2345.9	2346.1	2354.7	2366.2
16°	2334.9	2338.4	2341.5	2350.5	2356.1	2350.7	2337.6	2326.5	2330.1	2340.7	2352.6
17°	2315.9	2319.6	2329.8	2341.1	2342.8	2337.4	2323.0	2310.2	2315.4	2325.9	2338.2
18°	2298.1	2310.9	2313.8	2321.7	2330.1	2321.9	2307.5	2294.4	2297.7	2307.5	2322.3
19°	2281.9	2286.2	2295.8	2308.6	2317.3	2305.4	2292.1	2278.5	2280.0	2289.8	2306.9
20°	2261.8	2269.3	2275.8	2294.4	2301.0	2293.3	2272.7	2256.0	2260.4	2269.8	2291.5
21°	2242.0	2247.4	2261.6	2279.6	2283.1	2275.2	2257.2	2237.6	2237.4	2250.3	2276.0
22°	2220.3	2226.6	2240.7	2258.7	2267.4	2255.8	2235.9	2216.8	2215.3	2228.6	2256.4
23°	2199.2	2209.2	2220.5	2241.4	2248.3	2238.2	2214.7	2196.7	2192.8	2208.8	2235.5
24°	2176.5	2187.5	2201.3	2224.0	2229.5	2219.1	2198.6	2174.2	2169.4	2187.5	2213.4
25°	2152.1	2163.1	2178.8	2203.6	2215.3	2199.8	2175.7	2150.8	2146.0	2166.3	2194.6
26°	2128.9	2139.5	2158.3	2185.0	2193.4	2181.1	2155.8	2127.4	2122.6	2142.3	2173.1
27°	2103.2	2117.4	2136.6	2166.5	2173.8	2162.3	2134.7	2102.4	2097.8	2115.3	2150.0
28°	2076.9	2091.6	2113.0	2143.5	2151.2	2139.5	2111.4	2076.7	2069.2	2091.6	2128.7
29°	2047.7	2059.0	2089.5	2123.1	2133.7	2117.6	2086.6	2046.7	2040.2	2066.7	2106.8
30°	2020.4	2037.5	2065.7	2099.5	2112.6	2096.2	2063.6	2021.5	2012.7	2040.7	2083.8
31°	1992.2	2012.1	2041.9	2076.3	2091.4	2073.0	2039.2	1997.0	1986.2	2010.6	2057.6
32°	1964.5	1980.8	2012.7	2052.8	2069.4	2051.7	2010.2	1968.7	1957.4	1983.9	2032.5
33°	1935.7	1954.9	1988.5	2029.8	2045.9	2026.7	1987.0	1941.9	1930.3	1956.1	2007.1
34°	1905.9	1925.1	1963.7	2006.6	2020.8	2003.9	1961.4	1913.4	1901.1	1927.8	1981.8
35°	1873.7	1896.4	1937.1	1983.7	1999.3	1980.6	1935.3	1880.2	1871.4	1901.2	1957.0
36°	1843.2	1868.5	1909.2	1960.1	1976.8	1952.8	1909.6	1851.6	1838.8	1872.3	1930.3
37°	1814.7	1835.6	1882.7	1935.1	1951.6	1928.8	1880.4	1821.6	1806.5	1843.1	1902.4
38°	1783.6	1803.7	1855.6	1906.0	1927.4	1902.8	1851.7	1789.7	1772.6	1810.7	1877.8
39°	1750.4	1774.2	1825.6	1880.9	1903.2	1879.2	1821.0	1757.5	1737.4	1781.4	1850.0
40°	1717.7	1742.6	1798.9	1857.1	1878.6	1852.2	1795.4	1726.6	1706.9	1748.3	1820.1
41°	1684.4	1710.1	1767.8	1832.0	1855.4	1827.3	1763.0	1698.4	1674.6	1720.3	1791.1
42°	1651.5	1680.3	1738.8	1807.1	1831.1	1803.4	1732.1	1660.7	1639.7	1687.0	1762.4
43°	1617.9	1645.9	1708.9	1780.9	1802.2	1774.6	1700.4	1631.0	1606.2	1654.9	1733.1
44°	1584.5	1613.5	1677.4	1753.5	1776.4	1748.1	1672.6	1597.1	1571.5	1624.2	1705.4

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1550.7	1580.5	1645.3	1726.2	1749.0	1720.7	1642.4	1562.4	1537.4	1593.2	1674.2
46°	1515.7	1546.4	1615.9	1698.1	1724.8	1694.1	1610.1	1528.7	1503.7	1556.3	1646.3
47°	1480.2	1511.7	1586.3	1671.1	1697.4	1664.0	1577.1	1493.4	1469.4	1522.4	1618.4
48°	1444.5	1479.5	1556.3	1642.8	1670.6	1637.1	1546.1	1459.8	1431.7	1487.9	1587.4
49°	1407.6	1442.8	1525.5	1613.8	1640.7	1609.1	1514.7	1423.4	1396.1	1457.6	1555.7
50°	1372.7	1408.6	1494.8	1587.0	1615.5	1580.9	1482.6	1390.3	1361.1	1423.4	1525.9
51°	1334.6	1374.6	1464.6	1556.2	1588.4	1551.8	1451.6	1354.8	1324.1	1388.5	1493.7
52°	1298.1	1338.7	1431.0	1528.4	1557.3	1520.5	1419.1	1317.5	1286.8	1351.9	1467.0
53°	1263.6	1302.8	1398.4	1498.5	1530.0	1491.1	1386.4	1284.3	1251.3	1319.1	1433.2
54°	1228.4	1266.9	1367.7	1471.6	1502.9	1461.7	1355.3	1250.1	1214.7	1283.8	1403.1
55°	1191.4	1230.8	1333.4	1442.0	1473.5	1431.9	1322.0	1213.7	1177.5	1249.7	1371.5
56°	1152.2	1197.0	1302.6	1409.4	1443.7	1399.9	1288.5	1176.4	1141.5	1214.4	1338.1
57°	1116.6	1160.6	1267.6	1379.1	1415.5	1371.0	1258.4	1141.1	1103.8	1173.7	1306.0
58°	1078.8	1125.3	1238.7	1346.5	1383.1	1339.4	1225.3	1104.5	1065.8	1143.5	1274.2
59°	1040.5	1089.6	1204.4	1317.2	1355.2	1307.1	1190.1	1067.2	1027.9	1105.9	1243.3
60°	1004.3	1052.8	1169.5	1286.2	1326.2	1276.7	1156.8	1031.2	989.2	1070.3	1210.8
61°	964.3	1017.4	1137.7	1256.9	1295.1	1245.1	1125.8	996.0	951.3	1030.4	1178.0
62°	928.2	982.6	1104.4	1223.6	1265.3	1214.2	1092.8	958.5	913.8	996.9	1146.5
63°	889.2	947.3	1072.3	1191.6	1232.3	1181.3	1057.5	922.3	875.3	962.8	1114.6
64°	850.7	909.8	1038.8	1159.5	1205.1	1151.1	1025.8	886.7	837.0	924.6	1082.2
65°	813.5	875.3	1005.9	1128.4	1169.9	1116.1	991.1	850.2	799.1	891.4	1048.5
66°	774.8	838.2	973.3	1097.9	1143.8	1087.9	960.8	814.2	761.4	856.6	1017.4
67°	735.1	801.2	939.0	1068.0	1108.9	1055.9	925.6	777.4	722.1	819.7	985.7
68°	695.7	765.4	907.0	1032.3	1076.7	1023.3	891.5	744.2	682.4	784.2	953.2
69°	656.8	729.1	873.7	1001.9	1044.2	991.3	856.7	706.8	643.9	749.3	920.4
70°	617.7	694.2	840.5	968.2	1013.4	959.2	824.9	672.0	607.5	715.3	887.3
71°	579.5	659.9	808.4	935.9	981.4	927.3	792.3	637.5	566.3	679.5	855.1
72°	541.7	624.2	776.3	901.8	949.2	895.4	758.8	602.5	529.6	646.2	821.9
73°	502.2	589.3	743.7	866.6	917.9	863.6	726.6	568.7	490.0	609.9	789.6
74°	464.3	555.3	711.9	835.6	884.0	829.6	693.8	533.5	452.1	576.7	757.7
75°	427.5	521.9	679.6	802.5	854.2	799.2	661.2	499.5	414.0	542.6	726.5
76°	389.8	488.6	647.5	772.3	819.3	766.6	628.5	466.0	377.0	510.6	694.0
77°	353.2	456.0	614.1	740.5	791.0	737.2	598.7	434.1	340.8	477.2	662.7
78°	316.5	424.3	583.6	709.4	755.9	702.8	565.1	400.8	305.1	443.8	628.0
79°	282.1	392.4	552.6	679.2	728.3	675.3	535.8	370.8	269.9	412.5	597.5
80°	248.3	362.3	521.5	648.4	694.6	641.3	505.2	340.7	236.1	381.0	567.5
81°	215.6	333.0	491.9	618.5	668.0	614.0	477.3	311.1	202.4	351.2	538.3
82°	184.2	305.1	463.3	589.1	636.3	584.1	447.5	283.3	171.5	321.3	506.8
83°	154.2	277.7	435.3	559.5	608.0	557.2	421.1	255.6	142.5	294.1	480.9
84°	126.7	251.5	410.1	532.9	582.2	530.7	396.4	232.2	114.7	267.3	454.5
85°	101.7	227.4	386.0	507.4	557.5	506.4	373.5	209.3	91.5	243.1	428.5
86°	79.0	204.8	362.8	483.2	534.8	483.6	351.1	188.9	70.7	220.8	406.1
87°	59.2	183.6	340.1	459.5	511.7	461.0	329.9	168.9	52.1	200.6	382.7
88°	44.6	167.7	321.8	440.7	493.7	443.7	313.3	152.3	37.7	183.0	362.8
89°	34.6	153.3	307.7	424.7	474.3	425.5	297.3	138.4	27.6	167.0	344.6



TEST NUMBER: P600974

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	30.1	143.2	294.8	411.1	461.8	413.5	286.0	128.6	23.1	155.0	330.3
91°	29.1	135.1	284.9	399.1	446.3	398.4	274.7	120.9	22.5	145.7	317.2
92°	28.4	127.5	274.7	387.3	435.2	387.9	265.3	114.1	22.3	137.7	306.6
93°	27.8	120.4	264.4	375.3	421.5	375.1	255.5	107.0	22.5	129.2	295.1
94°	26.9	113.7	255.1	363.9	409.6	364.2	246.9	100.3	22.1	121.1	284.4
95°	26.6	107.3	245.9	353.2	396.7	351.4	236.5	94.2	21.4	113.8	273.8
96°	25.7	100.6	236.0	342.2	384.6	342.0	227.9	88.5	20.5	106.8	263.6
97°	25.2	94.6	227.1	330.4	373.1	329.8	218.3	83.0	19.3	99.8	252.4
98°	24.8	89.6	218.2	320.4	360.5	319.3	210.4	77.7	18.8	93.8	242.5
99°	24.3	84.0	209.3	310.3	349.9	309.1	201.7	73.1	18.4	87.4	232.6
100°	23.9	78.7	201.0	300.0	336.7	298.7	193.0	68.9	18.4	81.6	222.8
101°	23.4	74.6	192.8	289.6	327.1	289.1	184.6	64.0	18.3	76.4	214.0
102°	23.4	70.4	184.0	280.0	313.6	277.7	177.4	59.6	18.2	71.8	204.5
103°	22.9	66.0	176.6	269.3	305.9	268.0	170.1	55.4	18.1	66.9	195.5
104°	22.5	61.8	168.7	259.2	293.0	256.9	162.0	51.3	18.0	62.3	187.5
105°	21.8	58.3	161.8	249.9	284.5	248.4	155.2	47.9	17.9	57.9	178.7
106°	21.6	54.4	154.0	240.3	271.7	238.1	147.3	44.0	17.9	54.0	170.3
107°	21.3	50.2	147.2	230.9	263.9	229.9	140.7	40.6	17.8	49.9	162.4
108°	20.9	47.2	139.9	221.5	251.0	220.1	132.6	37.4	17.7	45.8	154.6
109°	20.4	43.6	133.4	212.2	243.9	212.0	126.6	34.4	17.2	42.3	147.4
110°	20.0	40.3	126.7	203.1	232.5	203.1	119.4	31.6	16.5	38.4	139.3
111°	19.5	37.3	120.3	195.0	224.2	194.8	113.6	28.7	16.5	35.4	132.6
112°	19.0	34.3	114.2	186.2	213.9	185.4	107.1	25.7	16.1	32.2	125.2
113°	18.8	31.6	108.1	177.7	205.8	177.3	101.6	23.4	15.4	28.5	118.6
114°	18.6	29.1	102.1	169.6	196.5	168.0	95.3	21.1	15.6	25.8	112.3
115°	18.4	26.7	96.5	161.9	188.7	160.2	90.1	18.8	15.2	23.2	105.8
116°	17.7	24.2	90.9	154.0	179.5	151.5	84.4	17.4	14.7	21.2	99.4
117°	17.4	22.3	85.3	146.6	171.0	144.6	79.3	15.6	14.5	18.4	93.0
118°	16.8	20.5	79.9	139.2	163.0	136.6	74.1	14.4	14.2	16.5	87.7
119°	16.3	19.6	75.5	131.9	154.2	129.8	69.7	14.0	13.9	14.9	81.4
120°	16.1	18.6	70.4	124.8	147.4	122.9	64.4	14.0	13.7	14.0	76.1
121°	15.6	18.2	65.6	118.1	138.2	115.8	59.6	13.7	13.4	13.8	71.2
122°	15.2	17.7	61.0	111.4	132.1	109.0	54.7	13.5	13.1	13.8	65.8
123°	15.1	17.5	56.3	105.0	123.5	102.3	50.5	13.5	12.9	13.3	60.4
124°	14.4	17.3	51.7	98.6	117.6	95.7	45.5	13.3	12.0	13.1	55.5
125°	13.8	17.0	47.5	92.4	108.7	89.6	41.5	11.9	11.7	12.2	50.7
126°	13.3	16.6	43.0	86.1	103.1	83.2	36.9	11.9	11.0	12.2	45.8
127°	12.8	16.1	39.1	80.0	95.4	77.3	33.4	11.5	11.0	11.7	41.3
128°	12.6	15.7	34.9	74.9	89.9	72.0	29.7	11.2	10.7	11.5	37.0
129°	12.6	15.0	31.4	68.7	82.1	66.1	25.8	11.2	10.3	11.0	32.6
130°	11.9	14.7	27.7	63.7	77.6	61.0	22.5	11.0	9.9	10.8	28.6
131°	11.7	14.3	24.3	58.1	71.0	55.3	19.1	11.2	9.6	10.4	24.8
132°	11.2	14.0	21.0	52.8	65.8	50.0	16.2	10.8	9.2	10.6	21.0
133°	11.0	13.6	18.0	48.0	59.8	45.2	13.7	10.3	8.3	10.6	17.8
134°	10.8	12.9	15.5	43.0	54.6	40.1	11.4	10.3	7.8	10.4	14.3





TEST NUMBER: P600974

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	10.3	12.9	13.9	38.5	48.6	35.6	10.0	10.1	7.8	10.1	11.5
136°	10.3	12.5	12.9	34.0	43.8	31.2	9.3	9.2	7.8	9.2	10.4
137°	9.9	12.2	12.7	29.7	38.3	26.7	8.8	8.5	7.8	8.5	9.7
138°	9.9	11.8	12.5	25.9	33.5	23.0	8.3	7.8	7.7	8.3	8.8
139°	9.4	11.4	12.0	21.8	28.8	19.1	8.1	7.8	7.7	7.8	8.3
140°	9.2	11.1	11.8	18.3	24.8	15.6	7.9	7.3	7.7	7.8	8.1
141°	9.2	10.6	11.1	15.0	20.5	12.3	7.6	7.2	7.7	7.7	7.4
142°	8.7	10.1	10.9	12.7	16.2	10.2	7.6	7.1	7.6	7.7	7.2
143°	8.7	9.9	10.9	11.6	13.2	8.4	7.5	6.9	7.6	7.6	6.9
144°	8.3	9.7	10.4	11.1	9.8	8.2	7.4	6.8	7.6	7.5	6.7
145°	8.0	9.4	10.2	10.9	7.9	7.9	7.4	6.7	7.6	7.5	6.5
146°	7.8	9.0	9.8	10.7	7.5	7.7	7.3	6.6	7.1	7.4	6.5
147°	7.6	8.7	9.5	10.4	7.2	7.7	7.2	6.5	6.9	7.3	6.5
148°	7.3	8.7	9.2	10.2	7.0	7.6	7.2	6.4	7.1	7.3	6.6
149°	7.3	8.5	8.9	10.0	6.8	7.5	7.1	6.4	6.7	7.2	6.6
150°	7.1	8.1	8.8	9.5	7.0	7.4	7.1	6.4	6.7	7.1	6.6
151°	7.1	8.1	8.7	9.5	6.8	7.3	7.1	6.4	6.0	7.0	6.6
152°	6.7	7.8	8.7	9.3	6.5	7.2	7.0	6.5	6.0	7.1	6.7
153°	6.9	7.4	8.6	9.3	6.3	7.1	7.0	6.5	6.0	7.2	6.7
154°	6.8	7.4	8.6	8.6	6.3	7.0	7.0	6.5	6.0	7.2	6.7
155°	6.8	7.4	8.6	8.5	6.2	6.9	6.9	6.5	6.0	7.3	6.8
156°	6.8	7.4	8.5	8.4	6.2	6.8	6.9	6.5	6.0	7.3	6.8
157°	6.8	7.4	8.5	8.3	6.2	6.7	6.9	6.6	6.0	7.4	6.8
158°	6.7	7.4	8.5	8.2	6.2	6.7	6.8	6.6	6.0	7.4	6.9
159°	6.7	7.4	8.5	8.1	6.2	6.7	6.8	6.6	6.0	7.5	6.9
160°	6.8	7.5	8.5	8.1	6.1	6.7	6.8	6.6	6.0	7.5	6.9
161°	6.8	7.5	8.4	8.3	6.1	6.6	6.8	6.6	6.9	7.6	7.2
162°	6.8	7.5	8.4	7.9	6.1	6.6	6.7	7.1	7.6	8.1	7.9
163°	6.9	7.5	8.4	7.6	6.1	6.6	6.7	7.5	8.0	8.3	8.3
164°	6.9	7.5	8.4	7.6	6.1	6.5	6.9	7.8	8.5	8.5	8.5
165°	6.9	7.5	8.3	7.5	6.2	6.5	7.2	8.0	8.9	8.5	9.0
166°	7.1	7.6	8.3	7.4	6.2	6.5	7.4	8.2	9.2	8.6	9.5
167°	7.1	7.6	8.3	7.4	6.2	6.5	7.4	8.3	9.9	8.6	9.7
168°	7.8	7.6	8.3	7.3	6.2	6.4	7.4	8.3	10.3	8.6	9.7
169°	7.8	7.8	8.3	7.2	6.2	6.4	7.4	8.3	10.8	8.6	9.8
170°	8.0	8.3	8.2	7.2	6.3	6.4	7.4	8.3	11.2	8.6	9.8
171°	7.8	8.5	8.2	7.1	6.4	6.3	7.4	8.3	11.2	8.6	9.9
172°	8.0	9.0	8.2	7.1	6.4	6.3	7.4	8.4	11.2	8.7	9.9
173°	8.1	9.4	8.2	7.1	6.5	6.3	7.4	8.4	11.1	8.7	10.0
174°	8.3	9.7	8.1	7.1	6.5	6.8	7.4	8.4	11.1	8.7	10.0
175°	8.4	9.7	8.1	7.1	6.5	6.8	7.9	8.4	11.1	8.7	10.1
176°	8.6	9.7	8.1	7.2	7.0	7.0	7.6	8.4	11.0	8.7	10.1
177°	8.7	9.9	8.1	7.2	7.2	7.2	7.6	8.5	11.0	8.7	10.2
178°	8.7	9.9	8.1	7.2	7.2	7.5	7.6	8.5	11.0	8.7	10.2
179°	8.7	9.9	8.1	7.2	7.2	7.7	7.6	8.5	11.0	8.7	10.2



TEST NUMBER: P600974  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7

TEST NUMBER: P600974

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5
1°	2469.0	2468.2	2469.8	2465.1	2467.6	2467.6
2°	2469.8	2467.3	2470.7	2461.5	2465.5	2467.6
3°	2468.4	2462.5	2468.0	2464.4	2464.8	2466.3
4°	2464.0	2460.0	2465.5	2463.4	2455.2	2459.0
5°	2461.3	2458.8	2461.1	2459.2	2454.6	2452.7
6°	2455.4	2456.1	2456.3	2455.4	2450.7	2444.2
7°	2450.2	2451.3	2454.0	2452.5	2445.6	2439.6
8°	2444.8	2447.5	2450.4	2446.7	2437.9	2432.1
9°	2436.7	2440.0	2441.7	2442.1	2427.1	2425.8
10°	2431.0	2433.8	2434.2	2434.0	2419.1	2412.9
11°	2421.0	2425.6	2426.2	2426.2	2405.4	2407.5
12°	2413.1	2416.2	2414.8	2415.6	2396.8	2393.1
13°	2404.3	2402.9	2410.8	2404.3	2385.5	2377.4
14°	2391.4	2393.7	2402.5	2393.5	2367.8	2364.5
15°	2380.5	2385.6	2392.0	2383.5	2355.3	2349.3
16°	2368.6	2373.4	2377.4	2369.3	2342.2	2334.9
17°	2356.8	2359.9	2366.6	2354.1	2321.7	2315.9
18°	2342.6	2346.5	2350.7	2338.4	2305.9	2298.1
19°	2329.2	2333.0	2338.8	2322.8	2286.7	2281.9
20°	2314.2	2319.2	2326.1	2306.7	2269.8	2261.8
21°	2294.6	2302.7	2309.0	2288.7	2250.1	2242.0
22°	2280.6	2288.9	2292.9	2268.9	2228.6	2220.3
23°	2264.3	2271.8	2276.4	2251.4	2207.8	2199.2
24°	2246.0	2255.6	2259.1	2233.6	2185.9	2176.5
25°	2230.7	2235.1	2237.4	2214.7	2164.0	2152.1
26°	2209.4	2219.5	2219.1	2193.0	2141.0	2128.9
27°	2191.5	2201.5	2198.2	2169.8	2117.8	2103.2
28°	2171.1	2182.7	2180.0	2146.6	2094.5	2076.9
29°	2150.8	2161.5	2160.0	2123.9	2070.7	2047.7
30°	2129.9	2144.3	2139.1	2100.5	2045.4	2020.4
31°	2107.8	2122.4	2117.4	2074.0	2017.3	1992.2
32°	2085.1	2099.9	2096.1	2051.3	1991.4	1964.5
33°	2064.2	2078.0	2074.4	2028.1	1963.6	1935.7
34°	2040.4	2058.0	2053.0	2001.8	1934.2	1905.9
35°	2016.2	2035.4	2030.6	1974.5	1904.2	1873.7
36°	1992.7	2010.8	2004.8	1948.6	1876.3	1843.2
37°	1969.1	1989.7	1981.2	1920.5	1847.2	1814.7
38°	1945.1	1967.2	1957.0	1893.9	1813.9	1783.6
39°	1919.2	1945.1	1934.6	1867.9	1784.9	1750.4
40°	1893.7	1922.1	1908.9	1837.3	1753.2	1717.7
41°	1868.4	1896.0	1885.0	1807.1	1721.5	1684.4
42°	1844.8	1871.5	1857.6	1778.1	1690.3	1651.5
43°	1819.0	1846.9	1830.8	1749.7	1657.2	1617.9
44°	1791.8	1822.9	1804.1	1719.3	1625.2	1584.5

TEST NUMBER: P600974

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1765.7	1796.5	1776.9	1686.9	1593.2	1550.7
46°	1740.0	1770.3	1749.8	1657.7	1559.2	1515.7
47°	1714.3	1745.3	1724.4	1627.1	1526.1	1480.2
48°	1686.9	1718.2	1695.6	1594.8	1492.1	1444.5
49°	1659.8	1691.6	1669.5	1564.9	1457.6	1407.6
50°	1632.6	1665.5	1639.4	1533.3	1424.9	1372.7
51°	1603.4	1640.0	1611.3	1503.8	1389.8	1334.6
52°	1573.1	1613.1	1579.8	1473.8	1354.8	1298.1
53°	1544.9	1585.0	1550.9	1440.1	1320.1	1263.6
54°	1515.6	1558.6	1521.7	1407.6	1285.0	1228.4
55°	1487.8	1531.8	1494.0	1374.2	1250.7	1191.4
56°	1458.3	1504.9	1467.4	1342.1	1215.5	1152.2
57°	1429.2	1476.0	1437.1	1312.1	1180.8	1116.6
58°	1397.7	1446.3	1405.3	1279.7	1144.5	1078.8
59°	1369.6	1418.8	1374.6	1247.3	1108.3	1040.5
60°	1339.2	1389.4	1343.7	1214.8	1073.5	1004.3
61°	1307.3	1357.5	1311.3	1182.4	1035.5	964.3
62°	1276.5	1330.4	1279.5	1148.9	1000.6	928.2
63°	1245.1	1299.7	1250.9	1118.7	964.8	889.2
64°	1216.2	1269.0	1219.2	1085.7	928.0	850.7
65°	1182.9	1239.2	1186.9	1052.3	893.2	813.5
66°	1155.0	1207.3	1156.1	1020.6	857.5	774.8
67°	1120.8	1176.1	1124.9	986.9	820.3	735.1
68°	1088.7	1145.6	1092.4	951.6	784.4	695.7
69°	1058.2	1115.7	1061.6	921.6	750.6	656.8
70°	1024.7	1083.2	1029.4	886.8	716.8	617.7
71°	994.4	1051.6	998.9	853.6	681.0	579.5
72°	962.1	1019.8	966.2	820.5	646.6	541.7
73°	929.8	986.5	932.8	787.9	611.0	502.2
74°	898.4	955.8	901.1	755.6	576.6	464.3
75°	867.1	920.2	870.5	720.8	542.9	427.5
76°	834.6	888.2	838.9	689.9	509.4	389.8
77°	805.1	853.2	805.7	658.1	476.4	353.2
78°	771.8	819.1	776.2	626.0	442.7	316.5
79°	743.4	785.8	744.0	595.8	411.7	282.1
80°	711.6	752.3	712.6	565.2	380.4	248.3
81°	681.9	720.5	681.0	537.4	349.7	215.6
82°	651.5	688.9	651.1	508.3	320.7	184.2
83°	623.2	659.5	621.9	480.0	293.7	154.2
84°	594.6	630.6	593.0	453.2	266.6	126.7
85°	567.8	603.3	566.9	427.6	242.2	101.7
86°	544.9	578.2	541.9	403.2	218.9	79.0
87°	521.9	554.3	517.1	379.7	196.0	59.2
88°	502.5	531.2	494.4	358.6	177.9	44.6
89°	482.1	511.0	474.6	340.3	162.7	34.6

TEST NUMBER: P600974

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	466.9	494.1	457.4	324.7	150.2	30.1
91°	450.7	479.3	443.1	313.2	141.6	29.1
92°	438.2	465.0	429.5	301.8	133.4	28.4
93°	424.3	452.8	416.6	290.9	125.6	27.8
94°	411.4	439.8	404.1	280.4	117.7	26.9
95°	397.5	427.3	391.8	268.9	111.1	26.6
96°	385.2	414.7	377.9	258.7	104.3	25.7
97°	371.2	402.6	366.1	249.0	97.7	25.2
98°	359.1	390.8	354.6	240.0	91.5	24.8
99°	347.2	379.2	343.0	230.1	85.7	24.3
100°	335.1	367.6	332.1	220.4	80.2	23.9
101°	323.3	356.6	320.3	211.4	76.1	23.4
102°	312.0	345.8	309.3	202.3	71.2	23.4
103°	301.1	334.7	297.9	193.7	66.8	22.9
104°	289.1	323.4	287.2	185.2	62.2	22.5
105°	278.5	314.7	275.8	177.1	58.2	21.8
106°	267.1	304.1	265.8	168.5	53.8	21.6
107°	256.8	293.4	256.2	160.5	49.9	21.3
108°	245.5	281.6	247.1	152.7	46.7	20.9
109°	236.9	271.8	237.5	145.4	43.2	20.4
110°	226.0	261.1	227.5	137.9	40.0	20.0
111°	217.5	250.4	218.0	130.7	36.9	19.5
112°	207.5	239.9	208.4	124.4	34.1	19.0
113°	199.0	229.8	199.0	117.7	31.3	18.8
114°	190.0	220.2	189.8	111.1	28.6	18.6
115°	181.3	210.8	181.2	104.3	26.3	18.4
116°	172.1	201.1	172.8	98.7	23.8	17.7
117°	163.9	192.2	164.6	92.6	22.0	17.4
118°	155.3	183.7	156.6	87.1	20.8	16.8
119°	147.6	174.6	148.7	81.7	20.1	16.3
120°	140.0	166.1	140.7	76.7	19.5	16.1
121°	131.8	157.8	133.1	71.4	19.2	15.6
122°	124.8	149.3	126.2	66.4	19.0	15.2
123°	117.1	141.3	118.2	61.4	18.5	15.1
124°	109.8	133.8	111.4	56.7	18.3	14.4
125°	103.2	126.2	104.3	51.9	18.1	13.8
126°	95.9	118.4	97.4	47.2	17.4	13.3
127°	89.8	111.1	91.0	43.0	17.2	12.8
128°	83.5	104.2	84.4	38.7	16.7	12.6
129°	76.9	97.2	78.5	34.4	16.2	12.6
130°	71.5	90.3	72.5	30.8	16.0	11.9
131°	65.6	83.9	66.7	27.1	15.6	11.7
132°	59.7	77.7	60.9	23.9	14.9	11.2
133°	54.7	71.6	55.3	20.4	14.6	11.0
134°	48.2	65.5	50.0	17.6	14.4	10.8

TEST NUMBER: P600974

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	43.3	59.5	44.5	15.5	13.7	10.3
136°	37.8	53.8	39.8	14.4	13.5	10.3
137°	32.9	48.4	35.1	14.1	13.0	9.9
138°	28.4	42.9	30.3	13.9	12.8	9.9
139°	23.9	37.8	25.9	13.4	12.1	9.4
140°	20.1	33.2	22.1	13.2	11.9	9.2
141°	15.5	28.4	18.5	12.5	11.7	9.2
142°	12.0	23.9	15.2	12.3	11.2	8.7
143°	10.6	19.9	13.3	11.8	10.7	8.7
144°	9.0	16.2	12.6	11.4	10.3	8.3
145°	8.3	13.6	12.3	11.1	10.1	8.0
146°	8.1	12.6	12.0	10.7	10.1	7.8
147°	7.6	11.7	11.7	10.4	9.6	7.6
148°	7.6	11.4	11.5	10.2	9.2	7.3
149°	7.5	11.0	11.2	9.7	9.2	7.3
150°	7.4	10.7	10.7	9.5	8.7	7.1
151°	7.3	10.5	10.5	9.3	8.9	7.1
152°	7.2	10.3	10.3	8.8	8.7	6.7
153°	7.1	10.2	10.2	8.8	8.6	6.9
154°	7.0	9.8	10.1	8.8	8.6	6.8
155°	6.9	9.3	9.9	8.8	8.5	6.8
156°	6.0	9.2	9.7	8.7	8.5	6.8
157°	6.3	9.2	9.5	8.7	8.4	6.8
158°	6.0	9.1	9.3	8.7	8.4	6.7
159°	6.0	9.0	9.1	8.7	8.3	6.7
160°	6.2	8.9	9.0	8.7	8.3	6.8
161°	6.5	8.8	8.9	8.6	8.2	6.8
162°	6.7	8.4	8.8	8.6	8.2	6.8
163°	6.9	8.6	8.6	8.6	8.1	6.9
164°	7.2	8.4	8.5	8.6	8.1	6.9
165°	7.4	8.3	8.4	8.6	8.0	6.9
166°	7.6	8.2	8.3	8.6	8.5	7.1
167°	7.9	8.1	8.2	8.5	8.9	7.1
168°	7.9	8.0	8.2	8.5	9.4	7.8
169°	7.9	7.9	8.1	8.5	9.6	7.8
170°	7.9	7.5	8.1	8.5	10.8	8.0
171°	8.0	7.7	8.0	8.5	10.5	7.8
172°	8.0	7.5	8.0	8.4	10.8	8.0
173°	8.0	7.5	7.9	8.4	10.8	8.1
174°	8.0	7.2	7.7	8.4	10.8	8.3
175°	8.1	7.0	7.7	8.4	10.8	8.4
176°	8.1	7.0	7.7	8.4	10.8	8.6
177°	8.1	7.2	7.7	8.3	10.8	8.7
178°	8.1	7.2	7.7	8.3	10.8	8.7
179°	8.1	7.2	7.7	8.3	10.8	8.7



TEST NUMBER: P600974  
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	8.7	8.7	8.7	8.7	8.7	8.7

(END OF REPORT)