

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: P600972

Luminaire Tested: 8APVTLD-SL3C3 LO POWER 3500K 120V

Issue Date: 1/11/2023

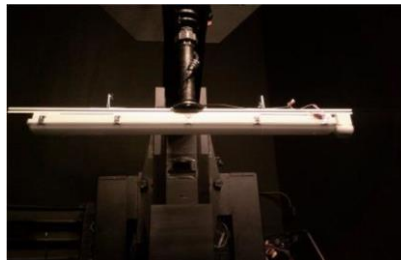
Test Information

Test Method: LM-79-2019
Report Number: P600972
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 120V
Description: LOW POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

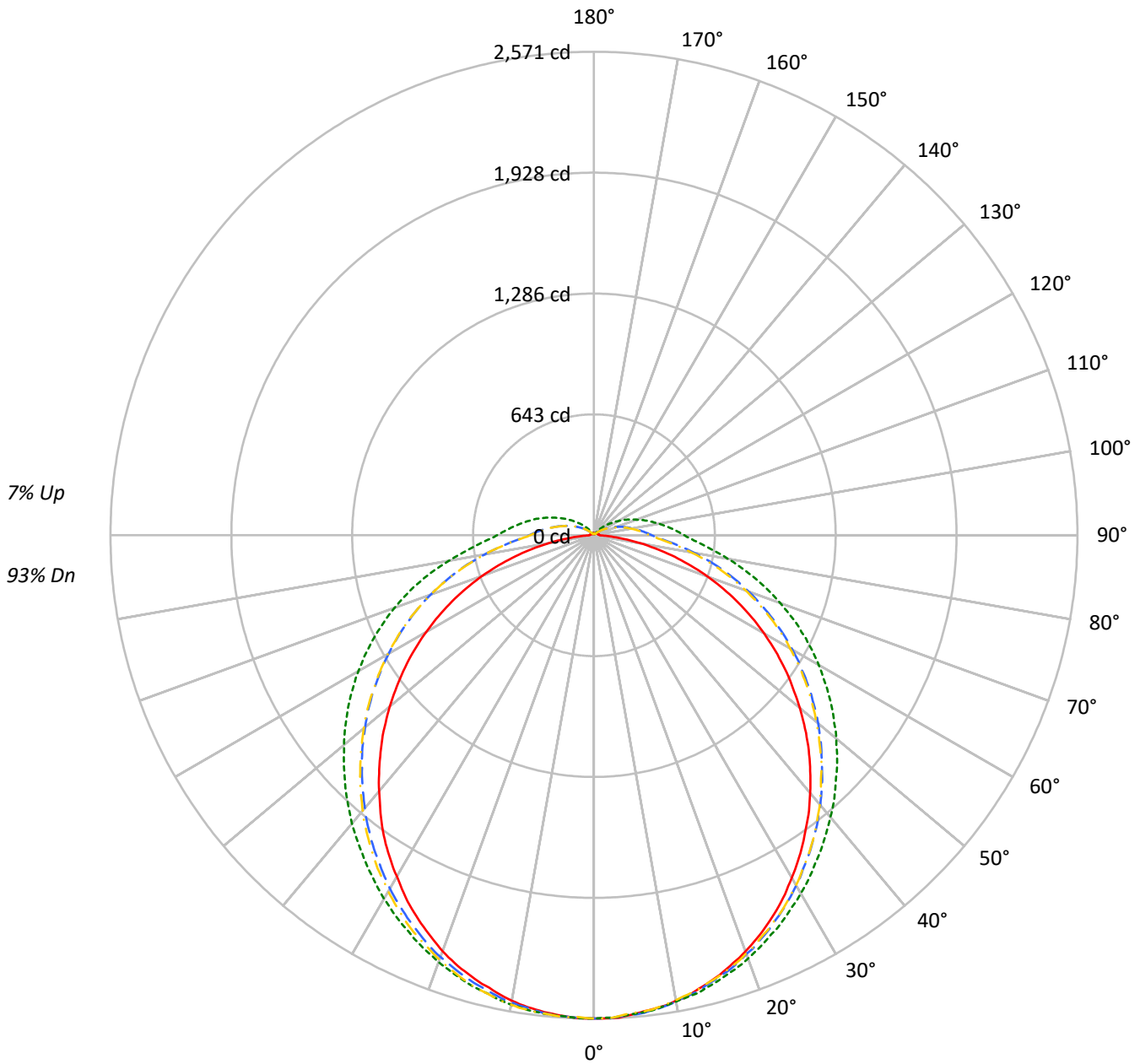
Lumens per Lamp: N/A
Luminaire Lumens: 8725.7 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 58.7
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



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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°	10373	10373	10373	10373
5°	10340	10124	10339	10154
10°	10281	9884	10282	9950
15°	10196	9666	10182	9731
20°	10080	9435	10074	9510
25°	9934	9202	9906	9285
30°	9748	8961	9711	9095
35°	9546	8731	9534	8889
40°	9344	8521	9285	8719
45°	9124	8318	9046	8544
50°	8867	8140	8792	8392
55°	8604	7958	8503	8273
60°	8294	7781	8169	8152
65°	7915	7575	7775	8024
70°	7381	7383	7259	7892
75°	6683	7177	6473	7732
80°	5676	6955	5395	7533
85°	4383	6971	3944	7543

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 12129 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	2.8
10°-20°	694.6	8.0
20°-30°	1050.8	12.0
30°-40°	1269.8	14.6
40°-50°	1336.6	15.3
50°-60°	1255.9	14.4
60°-70°	1047.2	12.0
70°-80°	747.0	8.6
80°-90°	437.5	5.0
90°-100°	272.3	3.1
100°-110°	178.9	2.0
110°-120°	105.1	1.2
120°-130°	53.4	0.6
130°-140°	20.5	0.2
140°-150°	6.5	0.1
150°-160°	3.7	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	1988.4	22.8
0°-40°	3258.2	37.3
0°-60°	5850.7	67.1
0°-90°	8082.3	92.6
90°-120°	556.2	6.4
90°-150°	636.6	7.3
90°-180°	643.0	7.4
0°-180°	8725.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2570	2570	2570	2570	2570	
5°	2554	2553	2554	2561	2554	243
15°	2447	2468	2443	2484	2447	690
25°	2241	2307	2235	2328	2241	1032
35°	1951	2082	1949	2120	1951	1221
45°	1615	1822	1601	1871	1615	1245
55°	1241	1534	1226	1595	1241	1108
65°	847	1218	832	1290	847	837
75°	445	890	431	958	445	471
85°	106	581	95	628	106	118
90°	31	481	24	514	31	19
95°	28	413	22	445	28	22
105°	23	296	19	328	23	24
115°	19	197	16	220	19	19
125°	14	113	12	131	14	13
135°	11	51	8	62	11	9
145°	8	8	8	14	8	5
155°	7	6	6	10	7	3
165°	7	6	9	9	7	2
175°	9	7	12	7	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7
1°	2569.9	2570.1	2570.9	2567.9	2567.1	2571.3	2569.9	2567.9	2570.1	2566.9	2568.9
2°	2569.9	2569.9	2570.3	2564.9	2567.1	2565.3	2568.7	2566.7	2569.3	2566.9	2567.5
3°	2568.5	2569.1	2564.1	2563.1	2563.7	2563.9	2560.9	2562.7	2564.3	2566.1	2564.7
4°	2560.9	2564.5	2558.9	2562.9	2557.7	2559.9	2551.7	2560.3	2560.7	2562.9	2562.7
5°	2554.3	2560.5	2557.5	2557.9	2553.3	2552.1	2548.3	2550.5	2553.9	2556.5	2558.1
6°	2545.5	2552.1	2554.3	2553.3	2548.9	2550.1	2546.3	2544.1	2548.9	2551.9	2555.3
7°	2540.7	2545.7	2543.7	2548.5	2546.1	2540.5	2541.1	2537.7	2541.9	2546.5	2546.5
8°	2532.9	2536.9	2538.3	2537.1	2536.5	2531.5	2531.3	2528.5	2533.7	2534.9	2537.9
9°	2526.3	2527.5	2529.5	2534.9	2526.3	2525.9	2519.9	2519.3	2524.5	2528.5	2532.7
10°	2512.9	2518.3	2518.1	2520.9	2517.9	2513.5	2510.5	2510.3	2513.1	2518.9	2522.1
11°	2507.3	2508.3	2506.1	2511.1	2509.5	2505.7	2498.7	2498.1	2500.5	2507.7	2514.1
12°	2492.3	2495.9	2495.7	2500.9	2501.7	2497.3	2488.1	2485.3	2487.1	2496.1	2501.7
13°	2475.9	2483.1	2484.7	2489.5	2494.5	2487.7	2476.7	2474.1	2470.3	2484.3	2488.5
14°	2462.5	2472.3	2466.5	2477.3	2478.9	2471.7	2461.3	2459.3	2458.7	2468.3	2475.5
15°	2446.7	2455.3	2453.1	2463.1	2468.1	2461.3	2448.7	2443.1	2443.3	2452.3	2464.3
16°	2431.7	2435.3	2438.5	2447.9	2453.7	2448.1	2434.5	2422.9	2426.7	2437.7	2450.1
17°	2411.9	2415.7	2426.3	2438.1	2439.9	2434.3	2419.3	2405.9	2411.3	2422.3	2435.1
18°	2393.3	2406.7	2409.7	2417.9	2426.7	2418.1	2403.1	2389.5	2392.9	2403.1	2418.5
19°	2376.5	2380.9	2390.9	2404.3	2413.3	2400.9	2387.1	2372.9	2374.5	2384.7	2402.5
20°	2355.5	2363.3	2370.1	2389.5	2396.3	2388.3	2366.9	2349.5	2354.1	2363.9	2386.5
21°	2334.9	2340.5	2355.3	2374.1	2377.7	2369.5	2350.7	2330.3	2330.1	2343.5	2370.3
22°	2312.3	2318.9	2333.5	2352.3	2361.3	2349.3	2328.5	2308.7	2307.1	2320.9	2349.9
23°	2290.3	2300.7	2312.5	2334.3	2341.5	2330.9	2306.5	2287.7	2283.7	2300.3	2328.1
24°	2266.7	2278.1	2292.5	2316.1	2321.9	2311.1	2289.7	2264.3	2259.3	2278.1	2305.1
25°	2241.3	2252.7	2269.1	2294.9	2307.1	2290.9	2265.9	2239.9	2234.9	2256.1	2285.5
26°	2217.1	2228.1	2247.7	2275.5	2284.3	2271.5	2245.1	2215.5	2210.5	2231.1	2263.1
27°	2190.3	2205.1	2225.1	2256.3	2263.9	2251.9	2223.1	2189.5	2184.7	2202.9	2239.1
28°	2162.9	2178.3	2200.5	2232.3	2240.3	2228.1	2198.9	2162.7	2154.9	2178.3	2216.9
29°	2132.5	2144.3	2176.1	2211.1	2222.1	2205.3	2173.1	2131.5	2124.7	2152.3	2194.1
30°	2104.1	2121.9	2151.3	2186.5	2200.1	2183.1	2149.1	2105.3	2096.1	2125.3	2170.1
31°	2074.7	2095.5	2126.5	2162.3	2178.1	2158.9	2123.7	2079.7	2068.5	2093.9	2142.9
32°	2045.9	2062.9	2096.1	2137.9	2155.1	2136.7	2093.5	2050.3	2038.5	2066.1	2116.7
33°	2015.9	2035.9	2070.9	2113.9	2130.7	2110.7	2069.3	2022.3	2010.3	2037.1	2090.3
34°	1984.9	2004.9	2045.1	2089.7	2104.5	2086.9	2042.7	1992.6	1979.9	2007.7	2063.9
35°	1951.3	1975.0	2017.3	2065.9	2082.1	2062.7	2015.5	1958.0	1948.9	1979.9	2038.1
36°	1919.6	1945.9	1988.3	2041.3	2058.7	2033.7	1988.7	1928.3	1915.0	1949.9	2010.3
37°	1889.8	1911.7	1960.7	2015.3	2032.5	2008.7	1958.3	1897.0	1881.4	1919.4	1981.2
38°	1857.5	1878.4	1932.4	1984.9	2007.3	1981.7	1928.4	1863.8	1846.1	1885.7	1955.6
39°	1822.9	1847.7	1901.3	1958.8	1982.0	1957.0	1896.4	1830.4	1809.3	1855.2	1926.7
40°	1788.9	1814.8	1873.4	1934.0	1956.4	1929.0	1869.8	1798.1	1777.6	1820.8	1895.5
41°	1754.2	1781.0	1841.1	1907.8	1932.2	1903.0	1836.1	1768.8	1744.0	1791.6	1865.3
42°	1719.9	1749.9	1810.8	1882.0	1907.0	1878.1	1803.8	1729.5	1707.6	1756.9	1835.4
43°	1685.0	1714.0	1779.7	1854.7	1876.9	1848.1	1770.9	1698.6	1672.7	1723.5	1804.9
44°	1650.2	1680.4	1746.9	1826.1	1850.0	1820.6	1741.9	1663.2	1636.6	1691.5	1776.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1615.0	1646.0	1713.4	1797.7	1821.5	1792.0	1710.4	1627.2	1601.1	1659.2	1743.5
46°	1578.5	1610.5	1682.8	1768.5	1796.2	1764.3	1676.8	1592.1	1566.0	1620.8	1714.5
47°	1541.5	1574.3	1652.0	1740.3	1767.8	1733.0	1642.4	1555.3	1530.3	1585.5	1685.5
48°	1504.3	1540.8	1620.8	1710.9	1739.8	1704.9	1610.2	1520.3	1491.0	1549.6	1653.1
49°	1465.9	1502.6	1588.7	1680.7	1708.7	1675.7	1577.4	1482.3	1453.9	1517.9	1620.1
50°	1429.6	1467.0	1556.7	1652.7	1682.4	1646.4	1544.0	1447.9	1417.5	1482.4	1589.2
51°	1389.9	1431.6	1525.2	1620.7	1654.2	1616.1	1511.8	1411.0	1378.9	1446.1	1555.6
52°	1351.9	1394.2	1490.3	1591.8	1621.8	1583.5	1477.9	1372.1	1340.1	1407.9	1527.7
53°	1315.9	1356.8	1456.3	1560.6	1593.4	1552.9	1443.9	1337.5	1303.1	1373.7	1492.6
54°	1279.3	1319.4	1424.4	1532.6	1565.2	1522.3	1411.5	1301.9	1265.0	1337.0	1461.2
55°	1240.8	1281.8	1388.7	1501.7	1534.5	1491.2	1376.8	1264.0	1226.3	1301.4	1428.4
56°	1199.9	1246.6	1356.6	1467.8	1503.5	1457.9	1341.9	1225.1	1188.8	1264.7	1393.6
57°	1162.9	1208.7	1320.2	1436.2	1474.1	1427.8	1310.6	1188.4	1149.6	1222.3	1360.1
58°	1123.5	1171.9	1290.1	1402.3	1440.4	1394.9	1276.0	1150.2	1109.9	1190.9	1327.0
59°	1083.6	1134.7	1254.3	1371.8	1411.4	1361.3	1239.4	1111.4	1070.5	1151.7	1294.8
60°	1045.9	1096.4	1218.0	1339.5	1381.2	1329.6	1204.7	1073.9	1030.2	1114.7	1260.9
61°	1004.3	1059.5	1184.9	1309.0	1348.7	1296.7	1172.5	1037.3	990.7	1073.0	1226.8
62°	966.7	1023.3	1150.2	1274.3	1317.7	1264.5	1138.0	998.2	951.7	1038.2	1194.0
63°	926.1	986.5	1116.7	1241.0	1283.3	1230.2	1101.3	960.5	911.6	1002.7	1160.8
64°	885.9	947.5	1081.8	1207.5	1255.0	1198.8	1068.3	923.5	871.7	962.9	1127.0
65°	847.2	911.6	1047.5	1175.1	1218.3	1162.4	1032.2	885.5	832.2	928.3	1092.0
66°	806.9	873.0	1013.6	1143.4	1191.1	1132.9	1000.6	848.0	792.9	892.1	1059.6
67°	765.6	834.4	977.9	1112.2	1154.9	1099.6	964.0	809.6	752.0	853.6	1026.5
68°	724.5	797.1	944.6	1075.1	1121.3	1065.7	928.4	775.0	710.7	816.7	992.7
69°	684.0	759.3	909.9	1043.4	1087.4	1032.4	892.2	736.0	670.6	780.3	958.5
70°	643.3	722.9	875.3	1008.3	1055.3	998.9	859.1	699.8	632.7	745.0	924.0
71°	603.5	687.2	841.9	974.6	1022.1	965.7	825.1	663.9	589.7	707.6	890.5
72°	564.1	650.0	808.5	939.2	988.6	932.5	790.3	627.5	551.6	673.0	855.9
73°	523.0	613.8	774.5	902.5	955.9	899.4	756.7	592.3	510.3	635.2	822.4
74°	483.5	578.3	741.3	870.2	920.7	864.0	722.6	555.6	470.9	600.6	789.1
75°	445.2	543.5	707.8	835.7	889.6	832.3	688.6	520.2	431.2	565.1	756.6
76°	406.0	508.8	674.3	804.3	853.2	798.4	654.6	485.3	392.6	531.8	722.7
77°	367.9	474.9	639.5	771.2	823.8	767.7	623.5	452.1	355.0	497.0	690.1
78°	329.7	441.9	607.8	738.8	787.3	731.9	588.5	417.4	317.8	462.2	654.0
79°	293.8	408.7	575.5	707.3	758.5	703.3	558.0	386.2	281.1	429.6	622.3
80°	258.6	377.3	543.2	675.2	723.4	667.8	526.1	354.8	245.8	396.8	591.1
81°	224.5	346.8	512.2	644.1	695.7	639.5	497.1	324.0	210.7	365.7	560.6
82°	191.8	317.8	482.5	613.5	662.6	608.3	466.0	295.0	178.6	334.6	527.8
83°	160.6	289.2	453.3	582.6	633.2	580.3	438.5	266.2	148.4	306.3	500.9
84°	131.9	261.9	427.1	555.0	606.4	552.7	412.8	241.8	119.4	278.3	473.3
85°	105.9	236.8	401.9	528.4	580.6	527.4	389.0	217.9	95.3	253.1	446.3
86°	82.2	213.3	377.8	503.2	557.0	503.6	365.6	196.7	73.7	229.9	422.9
87°	61.7	191.2	354.2	478.6	532.9	480.1	343.6	175.9	54.3	208.9	398.6
88°	46.5	174.6	335.2	459.0	514.1	462.0	326.3	158.6	39.2	190.5	377.9
89°	36.0	159.6	320.4	442.3	494.0	443.1	309.6	144.2	28.8	174.0	358.8



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CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	31.3	149.1	307.1	428.1	480.9	430.6	297.9	133.9	24.0	161.5	344.0
91°	30.3	140.7	296.7	415.6	464.8	414.9	286.1	125.9	23.4	151.7	330.3
92°	29.6	132.8	286.1	403.3	453.2	404.0	276.3	118.8	23.2	143.4	319.3
93°	28.9	125.4	275.4	390.8	438.9	390.7	266.1	111.4	23.4	134.5	307.3
94°	28.0	118.4	265.6	379.0	426.6	379.3	257.2	104.4	23.0	126.1	296.2
95°	27.7	111.7	256.1	367.8	413.2	365.9	246.3	98.1	22.2	118.5	285.2
96°	26.8	104.8	245.8	356.4	400.6	356.2	237.3	92.2	21.3	111.2	274.5
97°	26.3	98.5	236.5	344.0	388.6	343.4	227.4	86.4	20.1	103.9	262.9
98°	25.8	93.3	227.3	333.7	375.4	332.5	219.1	80.9	19.6	97.7	252.5
99°	25.3	87.5	218.0	323.2	364.4	321.9	210.0	76.2	19.1	91.0	242.2
100°	24.8	82.0	209.3	312.4	350.6	311.1	201.0	71.8	19.1	84.9	232.0
101°	24.4	77.7	200.8	301.6	340.7	301.1	192.2	66.7	19.0	79.6	222.8
102°	24.4	73.3	191.6	291.6	326.6	289.2	184.7	62.1	18.9	74.8	213.0
103°	23.9	68.7	183.9	280.4	318.6	279.1	177.1	57.7	18.9	69.6	203.7
104°	23.4	64.4	175.7	270.0	305.2	267.5	168.7	53.5	18.8	64.9	195.3
105°	22.7	60.7	168.5	260.3	296.3	258.7	161.7	49.9	18.7	60.3	186.1
106°	22.5	56.6	160.4	250.2	283.0	248.0	153.4	45.8	18.6	56.2	177.4
107°	22.2	52.3	153.3	240.5	274.8	239.4	146.6	42.3	18.5	52.0	169.1
108°	21.8	49.1	145.7	230.6	261.4	229.3	138.1	38.9	18.4	47.7	161.0
109°	21.3	45.4	138.9	221.0	254.0	220.7	131.8	35.8	17.9	44.1	153.5
110°	20.8	42.0	132.0	211.5	242.1	211.5	124.3	32.9	17.2	40.0	145.0
111°	20.3	38.9	125.3	203.1	233.5	202.9	118.4	29.9	17.2	36.9	138.1
112°	19.8	35.7	118.9	193.9	222.8	193.1	111.5	26.8	16.7	33.5	130.4
113°	19.6	32.9	112.6	185.0	214.3	184.7	105.8	24.4	16.0	29.7	123.5
114°	19.4	30.3	106.4	176.7	204.6	174.9	99.3	22.0	16.2	26.8	117.0
115°	19.1	27.8	100.5	168.6	196.6	166.9	93.9	19.6	15.8	24.2	110.1
116°	18.4	25.2	94.7	160.4	187.0	157.7	87.9	18.2	15.3	22.0	103.5
117°	18.2	23.3	88.8	152.6	178.1	150.6	82.5	16.2	15.1	19.1	96.9
118°	17.4	21.4	83.2	145.0	169.7	142.3	77.2	15.0	14.8	17.2	91.3
119°	17.0	20.4	78.7	137.3	160.6	135.2	72.6	14.6	14.5	15.5	84.8
120°	16.7	19.4	73.3	130.0	153.5	127.9	67.0	14.5	14.2	14.6	79.3
121°	16.3	18.9	68.3	123.0	144.0	120.5	62.1	14.3	13.9	14.4	74.1
122°	15.8	18.5	63.6	116.0	137.6	113.5	57.0	14.1	13.7	14.4	68.5
123°	15.8	18.2	58.7	109.3	128.6	106.6	52.6	14.1	13.4	13.9	62.9
124°	15.0	18.0	53.9	102.7	122.4	99.7	47.4	13.8	12.5	13.7	57.8
125°	14.3	17.7	49.5	96.2	113.2	93.3	43.2	12.4	12.2	12.7	52.9
126°	13.9	17.3	44.7	89.6	107.4	86.7	38.5	12.4	11.5	12.7	47.7
127°	13.4	16.8	40.7	83.4	99.3	80.5	34.8	11.9	11.5	12.2	43.1
128°	13.1	16.3	36.3	78.0	93.6	75.0	31.0	11.7	11.1	12.0	38.5
129°	13.1	15.6	32.7	71.6	85.5	68.9	26.8	11.7	10.7	11.5	33.9
130°	12.4	15.3	28.9	66.3	80.8	63.5	23.4	11.4	10.3	11.3	29.8
131°	12.2	14.9	25.3	60.5	74.0	57.5	19.9	11.7	10.0	10.8	25.8
132°	11.7	14.6	21.8	55.0	68.6	52.1	16.9	11.2	9.6	11.0	21.9
133°	11.5	14.1	18.8	49.9	62.3	47.1	14.3	10.7	8.6	11.0	18.5
134°	11.2	13.4	16.1	44.8	56.9	41.7	11.8	10.7	8.1	10.8	14.9



TEST NUMBER: P600972

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	10.8	13.4	14.4	40.1	50.6	37.1	10.4	10.5	8.1	10.5	12.0
136°	10.7	13.0	13.5	35.4	45.6	32.5	9.7	9.6	8.1	9.6	10.8
137°	10.3	12.7	13.2	30.9	39.9	27.9	9.2	8.8	8.1	8.9	10.1
138°	10.3	12.3	13.0	27.0	34.9	23.9	8.7	8.1	8.1	8.6	9.1
139°	9.8	11.9	12.5	22.7	30.0	19.9	8.4	8.1	8.0	8.1	8.7
140°	9.6	11.5	12.3	19.1	25.8	16.2	8.2	7.6	8.0	8.1	8.4
141°	9.6	11.0	11.6	15.6	21.3	12.9	8.0	7.5	8.0	8.1	7.7
142°	9.1	10.6	11.3	13.2	16.9	10.7	7.9	7.4	8.0	8.0	7.5
143°	9.1	10.3	11.3	12.1	13.8	8.7	7.8	7.2	7.9	7.9	7.2
144°	8.6	10.1	10.8	11.6	10.2	8.5	7.8	7.1	7.9	7.8	7.0
145°	8.4	9.8	10.6	11.3	8.2	8.2	7.7	6.9	7.9	7.8	6.7
146°	8.1	9.3	10.2	11.1	7.8	8.0	7.6	6.8	7.4	7.7	6.8
147°	7.9	9.1	9.9	10.9	7.5	8.0	7.5	6.7	7.2	7.6	6.8
148°	7.7	9.1	9.6	10.6	7.3	7.9	7.5	6.6	7.4	7.6	6.8
149°	7.6	8.9	9.2	10.4	7.0	7.8	7.4	6.7	6.9	7.5	6.9
150°	7.4	8.4	9.2	9.9	7.3	7.7	7.4	6.7	6.9	7.4	6.9
151°	7.4	8.4	9.1	9.9	7.0	7.6	7.4	6.7	6.2	7.3	6.9
152°	6.9	8.2	9.0	9.6	6.8	7.5	7.3	6.7	6.2	7.4	7.0
153°	7.2	7.7	9.0	9.6	6.5	7.4	7.3	6.7	6.2	7.5	7.0
154°	7.1	7.7	8.9	8.9	6.5	7.3	7.3	6.8	6.2	7.5	7.0
155°	7.1	7.7	8.9	8.8	6.5	7.2	7.2	6.8	6.2	7.6	7.0
156°	7.1	7.7	8.9	8.7	6.5	7.1	7.2	6.8	6.2	7.6	7.1
157°	7.0	7.7	8.9	8.6	6.5	7.0	7.2	6.8	6.2	7.7	7.1
158°	7.0	7.7	8.9	8.5	6.4	7.0	7.1	6.9	6.2	7.7	7.1
159°	7.0	7.8	8.8	8.4	6.4	7.0	7.1	6.9	6.2	7.8	7.2
160°	7.1	7.8	8.8	8.4	6.4	6.9	7.1	6.9	6.2	7.9	7.2
161°	7.1	7.8	8.8	8.7	6.4	6.9	7.0	6.9	7.1	7.9	7.5
162°	7.1	7.8	8.8	8.2	6.3	6.9	7.0	7.4	7.9	8.4	8.2
163°	7.1	7.8	8.7	8.0	6.4	6.8	7.0	7.9	8.4	8.6	8.7
164°	7.2	7.8	8.7	7.9	6.4	6.8	7.2	8.1	8.8	8.9	8.9
165°	7.2	7.9	8.7	7.8	6.4	6.8	7.5	8.3	9.3	8.9	9.4
166°	7.4	7.9	8.7	7.8	6.4	6.8	7.7	8.6	9.6	8.9	9.9
167°	7.4	7.9	8.6	7.7	6.5	6.7	7.7	8.6	10.3	8.9	10.1
168°	8.1	7.9	8.6	7.6	6.5	6.7	7.7	8.6	10.7	8.9	10.1
169°	8.1	8.1	8.6	7.5	6.5	6.7	7.7	8.6	11.2	9.0	10.2
170°	8.4	8.6	8.6	7.5	6.6	6.6	7.7	8.7	11.7	9.0	10.2
171°	8.2	8.9	8.6	7.4	6.6	6.6	7.7	8.7	11.7	9.0	10.3
172°	8.3	9.3	8.5	7.4	6.7	6.6	7.7	8.7	11.6	9.0	10.3
173°	8.5	9.8	8.5	7.4	6.7	6.5	7.7	8.7	11.6	9.0	10.4
174°	8.6	10.1	8.5	7.4	6.8	7.0	7.7	8.8	11.6	9.1	10.4
175°	8.8	10.1	8.5	7.4	6.8	7.0	8.2	8.8	11.5	9.1	10.5
176°	8.9	10.1	8.4	7.5	7.3	7.3	8.0	8.8	11.5	9.1	10.5
177°	9.1	10.3	8.4	7.5	7.5	7.5	8.0	8.8	11.5	9.1	10.6
178°	9.1	10.3	8.4	7.5	7.5	7.8	8.0	8.8	11.5	9.1	10.6
179°	9.1	10.3	8.4	7.5	7.5	8.0	8.0	8.8	11.5	9.1	10.6



TEST NUMBER: P600972
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1

TEST NUMBER: P600972

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7
1°	2571.3	2570.5	2572.1	2567.3	2569.9	2569.9
2°	2572.1	2569.5	2573.1	2563.5	2567.7	2569.9
3°	2570.7	2564.5	2570.3	2566.5	2566.9	2568.5
4°	2566.1	2561.9	2567.7	2565.5	2556.9	2560.9
5°	2563.3	2560.7	2563.1	2561.1	2556.3	2554.3
6°	2557.1	2557.9	2558.1	2557.1	2552.3	2545.5
7°	2551.7	2552.9	2555.7	2554.1	2546.9	2540.7
8°	2546.1	2548.9	2551.9	2548.1	2538.9	2532.9
9°	2537.7	2541.1	2542.9	2543.3	2527.7	2526.3
10°	2531.7	2534.7	2535.1	2534.9	2519.3	2512.9
11°	2521.3	2526.1	2526.7	2526.7	2505.1	2507.3
12°	2513.1	2516.3	2514.9	2515.7	2496.1	2492.3
13°	2503.9	2502.5	2510.7	2503.9	2484.3	2475.9
14°	2490.5	2492.9	2502.1	2492.7	2465.9	2462.5
15°	2479.1	2484.5	2491.1	2482.3	2452.9	2446.7
16°	2466.7	2471.7	2475.9	2467.5	2439.3	2431.7
17°	2454.5	2457.7	2464.7	2451.7	2417.9	2411.9
18°	2439.7	2443.7	2448.1	2435.3	2401.5	2393.3
19°	2425.7	2429.7	2435.7	2419.1	2381.5	2376.5
20°	2410.1	2415.3	2422.5	2402.3	2363.9	2355.5
21°	2389.7	2398.1	2404.7	2383.5	2343.3	2334.9
22°	2375.1	2383.7	2387.9	2362.9	2320.9	2312.3
23°	2358.1	2365.9	2370.7	2344.7	2299.3	2290.3
24°	2339.1	2349.1	2352.7	2326.1	2276.5	2266.7
25°	2323.1	2327.7	2330.1	2306.5	2253.7	2241.3
26°	2300.9	2311.5	2311.1	2283.9	2229.7	2217.1
27°	2282.3	2292.7	2289.3	2259.7	2205.5	2190.3
28°	2261.1	2273.1	2270.3	2235.5	2181.3	2162.9
29°	2239.9	2251.1	2249.5	2211.9	2156.5	2132.5
30°	2218.1	2233.1	2227.7	2187.5	2130.1	2104.1
31°	2195.1	2210.3	2205.1	2159.9	2100.9	2074.7
32°	2171.5	2186.9	2182.9	2136.3	2073.9	2045.9
33°	2149.7	2164.1	2160.3	2112.1	2044.9	2015.9
34°	2124.9	2143.3	2138.1	2084.7	2014.3	1984.9
35°	2099.7	2119.7	2114.7	2056.3	1983.1	1951.3
36°	2075.3	2094.1	2087.9	2029.3	1954.0	1919.6
37°	2050.7	2072.1	2063.3	2000.1	1923.7	1889.8
38°	2025.7	2048.7	2038.1	1972.4	1889.1	1857.5
39°	1998.7	2025.7	2014.7	1945.3	1858.8	1822.9
40°	1972.1	2001.7	1987.9	1913.4	1825.8	1788.9
41°	1945.8	1974.5	1963.0	1881.9	1792.8	1754.2
42°	1921.2	1949.0	1934.6	1851.8	1760.3	1719.9
43°	1894.4	1923.4	1906.6	1822.2	1725.9	1685.0
44°	1866.0	1898.4	1878.9	1790.6	1692.5	1650.2

TEST NUMBER: P600972

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1838.9	1870.9	1850.5	1756.8	1659.2	1615.0
46°	1812.1	1843.7	1822.3	1726.4	1623.8	1578.5
47°	1785.4	1817.7	1795.9	1694.5	1589.3	1541.5
48°	1756.8	1789.4	1765.9	1660.9	1553.9	1504.3
49°	1728.5	1761.6	1738.6	1629.7	1518.0	1465.9
50°	1700.2	1734.5	1707.3	1596.9	1484.0	1429.6
51°	1669.8	1707.9	1678.0	1566.1	1447.4	1389.9
52°	1638.3	1680.0	1645.3	1534.8	1410.9	1351.9
53°	1608.9	1650.6	1615.1	1499.7	1374.8	1315.9
54°	1578.4	1623.2	1584.7	1465.9	1338.3	1279.3
55°	1549.5	1595.3	1555.9	1431.2	1302.5	1240.8
56°	1518.7	1567.2	1528.1	1397.7	1265.9	1199.9
57°	1488.4	1537.1	1496.6	1366.4	1229.7	1162.9
58°	1455.6	1506.2	1463.5	1332.7	1191.9	1123.5
59°	1426.4	1477.6	1431.5	1299.0	1154.3	1083.6
60°	1394.7	1447.0	1399.4	1265.2	1118.0	1045.9
61°	1361.4	1413.7	1365.6	1231.4	1078.4	1004.3
62°	1329.4	1385.5	1332.5	1196.5	1042.0	966.7
63°	1296.7	1353.5	1302.7	1165.0	1004.8	926.1
64°	1266.6	1321.5	1269.7	1130.7	966.5	885.9
65°	1231.9	1290.5	1236.0	1095.9	930.2	847.2
66°	1202.9	1257.3	1204.0	1062.9	893.1	806.9
67°	1167.2	1224.8	1171.5	1027.8	854.3	765.6
68°	1133.8	1193.1	1137.6	991.0	816.9	724.5
69°	1102.0	1161.9	1105.6	959.8	781.7	684.0
70°	1067.1	1128.0	1072.0	923.5	746.5	643.3
71°	1035.6	1095.1	1040.3	889.0	709.2	603.5
72°	1002.0	1062.0	1006.2	854.5	673.4	564.1
73°	968.3	1027.3	971.5	820.5	636.3	523.0
74°	935.6	995.4	938.4	786.9	600.5	483.5
75°	903.0	958.3	906.6	750.7	565.4	445.2
76°	869.2	925.0	873.7	718.4	530.5	406.0
77°	838.5	888.5	839.1	685.3	496.2	367.9
78°	803.8	853.0	808.4	651.9	461.0	329.7
79°	774.2	818.4	774.9	620.5	428.8	293.8
80°	741.1	783.5	742.1	588.6	396.1	258.6
81°	710.2	750.4	709.2	559.6	364.2	224.5
82°	678.5	717.4	678.1	529.3	334.0	191.8
83°	649.0	686.8	647.7	499.9	305.8	160.6
84°	619.3	656.7	617.6	472.0	277.6	131.9
85°	591.4	628.3	590.4	445.3	252.2	105.9
86°	567.5	602.1	564.3	419.9	228.0	82.2
87°	543.6	577.3	538.6	395.4	204.1	61.7
88°	523.3	553.2	514.9	373.4	185.2	46.5
89°	502.1	532.2	494.2	354.4	169.4	36.0

TEST NUMBER: P600972

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	486.2	514.5	476.3	338.1	156.5	31.3
91°	469.4	499.2	461.4	326.1	147.4	30.3
92°	456.4	484.3	447.3	314.3	138.9	29.6
93°	441.9	471.5	433.8	303.0	130.8	28.9
94°	428.5	458.0	420.8	292.0	122.6	28.0
95°	413.9	445.0	408.0	280.0	115.7	27.7
96°	401.1	431.9	393.6	269.4	108.6	26.8
97°	386.6	419.3	381.3	259.3	101.7	26.3
98°	374.0	407.0	369.3	249.9	95.3	25.8
99°	361.6	394.9	357.2	239.6	89.2	25.3
100°	349.0	382.8	345.9	229.5	83.6	24.8
101°	336.7	371.3	333.6	220.1	79.3	24.4
102°	324.9	360.1	322.1	210.6	74.1	24.4
103°	313.6	348.5	310.2	201.7	69.6	23.9
104°	301.1	336.8	299.1	192.9	64.7	23.4
105°	290.0	327.7	287.2	184.4	60.7	22.7
106°	278.1	316.7	276.8	175.5	56.0	22.5
107°	267.5	305.5	266.8	167.2	51.9	22.2
108°	255.7	293.3	257.3	159.0	48.6	21.8
109°	246.7	283.0	247.3	151.4	45.0	21.3
110°	235.3	271.9	236.9	143.6	41.6	20.8
111°	226.5	260.7	227.0	136.1	38.4	20.3
112°	216.1	249.9	217.1	129.5	35.5	19.8
113°	207.3	239.4	207.3	122.5	32.6	19.6
114°	197.8	229.4	197.6	115.7	29.7	19.4
115°	188.8	219.5	188.7	108.6	27.4	19.1
116°	179.3	209.4	180.0	102.8	24.8	18.4
117°	170.7	200.2	171.4	96.5	22.9	18.2
118°	161.7	191.3	163.1	90.7	21.7	17.4
119°	153.7	181.8	154.8	85.0	21.0	17.0
120°	145.8	173.0	146.5	79.9	20.3	16.7
121°	137.2	164.4	138.6	74.3	20.0	16.3
122°	130.0	155.5	131.4	69.2	19.8	15.8
123°	121.9	147.1	123.1	63.9	19.3	15.8
124°	114.4	139.3	116.0	59.0	19.1	15.0
125°	107.5	131.4	108.6	54.0	18.8	14.3
126°	99.9	123.3	101.5	49.2	18.1	13.9
127°	93.6	115.7	94.7	44.8	17.9	13.4
128°	86.9	108.6	87.8	40.3	17.4	13.1
129°	80.1	101.2	81.7	35.9	16.9	13.1
130°	74.5	94.0	75.6	32.1	16.7	12.4
131°	68.3	87.4	69.4	28.2	16.2	12.2
132°	62.2	80.9	63.4	24.9	15.5	11.7
133°	57.0	74.6	57.5	21.2	15.3	11.5
134°	50.2	68.2	52.0	18.3	15.0	11.2

TEST NUMBER: P600972

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	45.1	62.0	46.3	16.2	14.3	10.8
136°	39.3	56.1	41.5	15.0	14.1	10.7
137°	34.2	50.4	36.6	14.7	13.6	10.3
138°	29.6	44.7	31.6	14.5	13.3	10.3
139°	24.9	39.4	27.0	14.0	12.6	9.8
140°	20.9	34.5	23.1	13.8	12.4	9.6
141°	16.2	29.6	19.2	13.0	12.1	9.6
142°	12.5	24.8	15.8	12.8	11.7	9.1
143°	11.1	20.7	13.8	12.3	11.2	9.1
144°	9.4	16.9	13.1	11.8	10.7	8.6
145°	8.7	14.1	12.8	11.6	10.5	8.4
146°	8.4	13.1	12.5	11.1	10.5	8.1
147°	8.0	12.1	12.2	10.9	10.0	7.9
148°	7.9	11.9	11.9	10.6	9.5	7.7
149°	7.8	11.4	11.6	10.1	9.5	7.6
150°	7.7	11.2	11.2	9.9	9.1	7.4
151°	7.6	10.9	10.9	9.7	9.3	7.4
152°	7.5	10.7	10.7	9.2	9.1	6.9
153°	7.4	10.7	10.7	9.2	9.0	7.2
154°	7.3	10.2	10.5	9.1	8.9	7.1
155°	7.2	9.7	10.3	9.1	8.9	7.1
156°	6.3	9.6	10.1	9.1	8.8	7.1
157°	6.5	9.5	9.9	9.1	8.8	7.0
158°	6.3	9.5	9.7	9.1	8.7	7.0
159°	6.3	9.4	9.5	9.0	8.7	7.0
160°	6.5	9.3	9.4	9.0	8.6	7.1
161°	6.7	9.2	9.3	9.0	8.6	7.1
162°	7.0	8.7	9.1	9.0	8.5	7.1
163°	7.2	9.0	9.0	9.0	8.5	7.1
164°	7.5	8.7	8.9	8.9	8.4	7.2
165°	7.7	8.6	8.7	8.9	8.3	7.2
166°	8.0	8.5	8.6	8.9	8.8	7.4
167°	8.2	8.4	8.6	8.9	9.3	7.4
168°	8.2	8.3	8.5	8.9	9.8	8.1
169°	8.2	8.2	8.5	8.8	10.0	8.1
170°	8.3	7.8	8.4	8.8	11.2	8.4
171°	8.3	8.0	8.4	8.8	11.0	8.2
172°	8.3	7.8	8.3	8.8	11.2	8.3
173°	8.3	7.8	8.3	8.8	11.2	8.5
174°	8.4	7.5	8.0	8.7	11.2	8.6
175°	8.4	7.3	8.0	8.7	11.2	8.8
176°	8.4	7.3	8.0	8.7	11.2	8.9
177°	8.4	7.5	8.0	8.7	11.2	9.1
178°	8.4	7.5	8.0	8.7	11.2	9.1
179°	8.4	7.5	8.0	8.7	11.2	9.1



TEST NUMBER: P600972
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	9.1	9.1	9.1	9.1	9.1	9.1

(END OF REPORT)