

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: P600973

Luminaire Tested: 8APVTL-D-SL3C3 LO POWER 4000K 120V

Issue Date: 1/11/2023

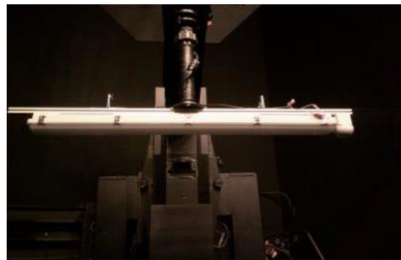
Test Information

Test Method: LM-79-2019
Report Number: P600973
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 4000K 120V
Description: LOW POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

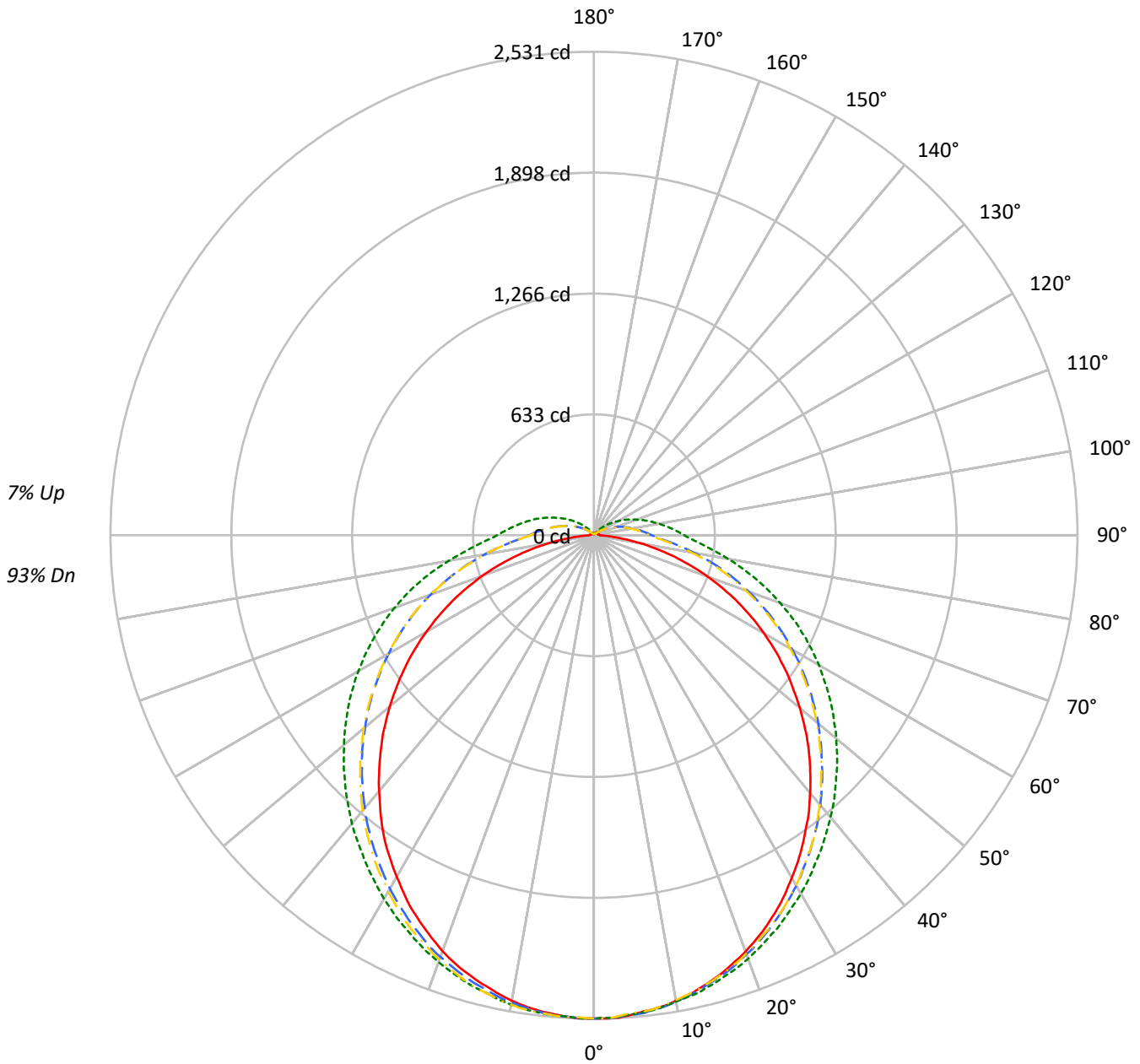
Lumens per Lamp: N/A
Luminaire Lumens: 8590.9 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 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: P600973
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 120V

Luminous Intensity Polar Plot



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



TEST NUMBER: P600973

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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°	10212	10212	10212	10212
5°	10180	9968	10179	9997
10°	10122	9732	10123	9797
15°	10038	9517	10024	9580
20°	9924	9289	9918	9363
25°	9781	9060	9753	9141
30°	9598	8823	9561	8955
35°	9398	8596	9387	8751
40°	9200	8390	9142	8584
45°	8983	8190	8905	8412
50°	8730	8014	8656	8262
55°	8471	7835	8372	8145
60°	8165	7661	8043	8026
65°	7793	7458	7655	7900
70°	7267	7269	7147	7770
75°	6580	7067	6373	7612
80°	5588	6847	5312	7416
85°	4317	6863	3882	7427

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 11935 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.2	2.8
10°-20°	683.9	8.0
20°-30°	1034.5	12.0
30°-40°	1250.2	14.6
40°-50°	1315.9	15.3
50°-60°	1236.5	14.4
60°-70°	1031.0	12.0
70°-80°	735.5	8.6
80°-90°	430.7	5.0
90°-100°	268.1	3.1
100°-110°	176.1	2.0
110°-120°	103.4	1.2
120°-130°	52.6	0.6
130°-140°	20.2	0.2
140°-150°	6.4	0.1
150°-160°	3.6	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	1957.6	22.8
0°-40°	3207.8	37.3
0°-60°	5760.2	67.1
0°-90°	7957.4	92.6
90°-120°	547.6	6.4
90°-150°	626.7	7.3
90°-180°	633.0	7.4
0°-180°	8590.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2530	2530	2530	2530	2530	
5°	2515	2514	2514	2521	2515	239
15°	2409	2430	2406	2446	2409	679
25°	2207	2271	2200	2292	2207	1016
35°	1921	2050	1919	2087	1921	1203
45°	1590	1793	1576	1842	1590	1225
55°	1222	1511	1207	1571	1222	1091
65°	834	1200	819	1271	834	824
75°	438	876	424	944	438	464
85°	104	572	94	619	104	116
90°	31	474	24	507	31	19
95°	27	407	22	438	27	22
105°	22	292	18	323	22	24
115°	19	194	16	216	19	18
125°	14	112	12	129	14	13
135°	11	50	8	61	11	8
145°	8	8	8	14	8	5
155°	7	6	6	10	7	3
165°	7	6	9	8	7	2
175°	9	7	11	7	9	1
180°	9	9	9	9	9	



TEST NUMBER: P600973

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
1°	2530.2	2530.4	2531.2	2528.2	2527.4	2531.5	2530.2	2528.2	2530.4	2527.2	2529.2
2°	2530.2	2530.2	2530.6	2525.2	2527.4	2525.6	2529.0	2527.0	2529.6	2527.2	2527.8
3°	2528.8	2529.4	2524.5	2523.5	2524.1	2524.3	2521.3	2523.1	2524.7	2526.4	2525.0
4°	2521.3	2524.9	2519.3	2523.3	2518.2	2520.3	2512.2	2520.7	2521.1	2523.3	2523.1
5°	2514.8	2520.9	2518.0	2518.4	2513.8	2512.6	2508.9	2511.1	2514.4	2517.0	2518.5
6°	2506.1	2512.6	2514.8	2513.8	2509.5	2510.7	2506.9	2504.8	2509.5	2512.4	2515.8
7°	2501.4	2506.3	2504.4	2509.1	2506.7	2501.2	2501.8	2498.5	2502.6	2507.1	2507.1
8°	2493.7	2497.7	2499.1	2497.9	2497.3	2492.4	2492.2	2489.4	2494.5	2495.7	2498.7
9°	2487.2	2488.4	2490.4	2495.7	2487.2	2486.8	2480.9	2480.4	2485.5	2489.4	2493.5
10°	2474.1	2479.4	2479.2	2481.9	2479.0	2474.6	2471.7	2471.5	2474.2	2480.0	2483.1
11°	2468.5	2469.5	2467.4	2472.3	2470.7	2467.0	2460.1	2459.5	2461.8	2468.9	2475.2
12°	2453.8	2457.3	2457.1	2462.2	2463.0	2458.7	2449.6	2446.9	2448.7	2457.5	2463.0
13°	2437.6	2444.7	2446.3	2451.0	2455.9	2449.2	2438.4	2435.9	2432.1	2445.9	2450.0
14°	2424.4	2434.1	2428.4	2439.0	2440.6	2433.5	2423.3	2421.3	2420.7	2430.1	2437.2
15°	2408.9	2417.3	2415.2	2425.0	2429.9	2423.3	2410.8	2405.3	2405.5	2414.4	2426.2
16°	2394.1	2397.7	2400.8	2410.1	2415.8	2410.3	2396.9	2385.4	2389.2	2400.0	2412.2
17°	2374.6	2378.4	2388.8	2400.4	2402.2	2396.7	2381.9	2368.7	2374.0	2384.9	2397.5
18°	2356.3	2369.5	2372.4	2380.5	2389.2	2380.7	2366.0	2352.6	2355.9	2366.0	2381.1
19°	2339.8	2344.1	2353.9	2367.1	2376.0	2363.8	2350.2	2336.2	2337.8	2347.8	2365.4
20°	2319.1	2326.8	2333.5	2352.6	2359.3	2351.4	2330.3	2313.2	2317.7	2327.4	2349.6
21°	2298.8	2304.3	2318.9	2337.4	2340.9	2332.9	2314.4	2294.3	2294.1	2307.3	2333.7
22°	2276.6	2283.1	2297.4	2315.9	2324.8	2313.0	2292.5	2273.0	2271.4	2285.0	2313.6
23°	2254.9	2265.1	2276.8	2298.2	2305.3	2294.9	2270.8	2252.3	2248.4	2264.7	2292.1
24°	2231.7	2242.9	2257.1	2280.3	2286.0	2275.4	2254.3	2229.3	2224.4	2242.9	2269.5
25°	2206.7	2217.9	2234.0	2259.4	2271.4	2255.5	2230.9	2205.3	2200.4	2221.2	2250.2
26°	2182.8	2193.7	2213.0	2240.3	2249.0	2236.4	2210.4	2181.3	2176.3	2196.6	2228.1
27°	2156.5	2171.0	2190.7	2221.4	2228.9	2217.1	2188.7	2155.7	2150.9	2168.9	2204.5
28°	2129.5	2144.6	2166.5	2197.8	2205.7	2193.7	2164.9	2129.3	2121.6	2144.6	2182.6
29°	2099.5	2111.2	2142.5	2176.9	2187.8	2171.2	2139.5	2098.6	2091.9	2119.0	2160.2
30°	2071.6	2089.1	2118.1	2152.7	2166.1	2149.4	2115.9	2072.8	2063.7	2092.5	2136.6
31°	2042.6	2063.1	2093.6	2128.9	2144.4	2125.5	2090.9	2047.6	2036.5	2061.5	2109.8
32°	2014.3	2031.0	2063.7	2104.9	2121.8	2103.7	2061.2	2018.6	2007.0	2034.2	2084.0
33°	1984.8	2004.4	2038.9	2081.2	2097.8	2078.1	2037.3	1991.1	1979.2	2005.6	2058.0
34°	1954.2	1973.9	2013.5	2057.4	2072.0	2054.7	2011.1	1961.9	1949.3	1976.7	2032.0
35°	1921.2	1944.5	1986.1	2034.0	2049.9	2030.8	1984.4	1927.8	1918.8	1949.4	2006.6
36°	1889.9	1915.8	1957.6	2009.8	2026.9	2002.3	1957.9	1898.5	1885.4	1919.8	1979.2
37°	1860.6	1882.1	1930.4	1984.2	2001.1	1977.7	1928.0	1867.7	1852.3	1889.8	1950.6
38°	1828.8	1849.4	1902.6	1954.3	1976.3	1951.0	1898.6	1835.0	1817.5	1856.6	1925.4
39°	1794.7	1819.2	1871.9	1928.6	1951.4	1926.8	1867.1	1802.1	1781.4	1826.5	1896.9
40°	1761.2	1786.8	1844.5	1904.1	1926.2	1899.2	1840.9	1770.3	1750.1	1792.6	1866.2
41°	1727.1	1753.5	1812.6	1878.4	1902.4	1873.6	1807.7	1741.5	1717.0	1763.9	1836.5
42°	1693.4	1722.9	1782.8	1852.9	1877.5	1849.0	1775.9	1702.8	1681.2	1729.7	1807.1
43°	1658.9	1687.6	1752.2	1826.0	1847.9	1819.6	1743.5	1672.3	1646.9	1696.8	1777.0
44°	1624.7	1654.4	1719.9	1797.9	1821.4	1792.4	1715.0	1637.5	1611.3	1665.4	1748.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1590.0	1620.5	1686.9	1770.0	1793.3	1764.3	1684.0	1602.0	1576.3	1633.5	1716.6
46°	1554.1	1585.6	1656.8	1741.1	1768.5	1737.1	1650.9	1567.5	1541.8	1595.8	1688.0
47°	1517.7	1550.0	1626.5	1713.4	1740.5	1706.2	1617.0	1531.3	1506.6	1561.0	1659.4
48°	1481.1	1517.0	1595.8	1684.5	1712.9	1678.6	1585.3	1496.8	1467.9	1525.6	1627.6
49°	1443.3	1479.4	1564.1	1654.7	1682.3	1649.8	1553.0	1459.4	1431.4	1494.5	1595.1
50°	1407.5	1444.3	1532.7	1627.2	1656.4	1621.0	1520.2	1425.5	1395.5	1459.5	1564.6
51°	1368.4	1409.5	1501.7	1595.6	1628.6	1591.2	1488.4	1389.2	1357.6	1423.7	1531.5
52°	1331.0	1372.6	1467.3	1567.2	1596.7	1559.0	1455.1	1350.9	1319.4	1386.2	1504.1
53°	1295.6	1335.8	1433.8	1536.5	1568.7	1528.9	1421.6	1316.9	1283.0	1352.5	1469.5
54°	1259.5	1299.0	1402.4	1508.9	1541.0	1498.8	1389.6	1281.8	1245.5	1316.4	1438.6
55°	1221.6	1262.0	1367.2	1478.5	1510.8	1468.2	1355.5	1244.4	1207.3	1281.3	1406.3
56°	1181.4	1227.3	1335.6	1445.1	1480.3	1435.4	1321.2	1206.2	1170.5	1245.2	1372.0
57°	1144.9	1190.0	1299.8	1414.0	1451.4	1405.8	1290.3	1170.0	1131.8	1203.5	1339.1
58°	1106.1	1153.8	1270.1	1380.6	1418.1	1373.3	1256.3	1132.5	1092.8	1172.5	1306.5
59°	1066.8	1117.2	1234.9	1350.6	1389.6	1340.2	1220.3	1094.2	1053.9	1133.9	1274.8
60°	1029.7	1079.5	1199.1	1318.8	1359.9	1309.1	1186.1	1057.3	1014.3	1097.4	1241.5
61°	988.8	1043.2	1166.6	1288.7	1327.9	1276.6	1154.4	1021.2	975.4	1056.5	1207.9
62°	951.7	1007.5	1132.4	1254.6	1297.4	1244.9	1120.4	982.7	937.0	1022.1	1175.6
63°	911.8	971.3	1099.5	1221.8	1263.5	1211.2	1084.3	945.7	897.5	987.2	1142.8
64°	872.2	932.9	1065.1	1188.9	1235.6	1180.3	1051.8	909.2	858.2	948.0	1109.6
65°	834.1	897.5	1031.3	1156.9	1199.5	1144.4	1016.3	871.8	819.4	914.0	1075.1
66°	794.5	859.5	997.9	1125.7	1172.7	1115.4	985.2	834.9	780.7	878.3	1043.2
67°	753.7	821.5	962.8	1095.1	1137.0	1082.6	949.1	797.1	740.4	840.4	1010.7
68°	713.3	784.8	930.0	1058.5	1104.0	1049.2	914.1	763.0	699.7	804.0	977.3
69°	673.4	747.6	895.8	1027.3	1070.6	1016.4	878.4	724.7	660.2	768.3	943.7
70°	633.4	711.8	861.8	992.7	1039.0	983.5	845.8	689.0	622.9	733.5	909.7
71°	594.2	676.6	828.9	959.6	1006.3	950.8	812.4	653.7	580.6	696.7	876.8
72°	555.4	640.0	796.0	924.7	973.3	918.1	778.1	617.8	543.1	662.6	842.7
73°	515.0	604.3	762.6	888.5	941.2	885.5	745.1	583.1	502.4	625.4	809.7
74°	476.0	569.4	729.9	856.7	906.4	850.6	711.4	547.0	463.6	591.3	776.9
75°	438.3	535.1	696.8	822.8	875.9	819.4	677.9	512.2	424.5	556.4	744.9
76°	399.7	501.0	663.9	791.9	840.0	786.0	644.5	477.8	386.6	523.5	711.5
77°	362.2	467.5	629.7	759.2	811.1	755.8	613.9	445.1	349.5	489.3	679.4
78°	324.6	435.0	598.4	727.4	775.1	720.6	579.4	411.0	312.9	455.1	643.9
79°	289.2	402.4	566.6	696.4	746.7	692.5	549.4	380.2	276.7	423.0	612.6
80°	254.6	371.4	534.8	664.8	712.2	657.5	518.0	349.4	242.0	390.6	581.9
81°	221.1	341.4	504.3	634.1	684.9	629.6	489.4	319.0	207.5	360.1	551.9
82°	188.8	312.9	475.0	604.1	652.4	598.9	458.8	290.5	175.9	329.5	519.6
83°	158.1	284.8	446.3	573.6	623.4	571.3	431.7	262.1	146.1	301.6	493.1
84°	129.9	257.8	420.5	546.4	597.0	544.2	406.4	238.1	117.6	274.0	466.0
85°	104.3	233.2	395.7	520.2	571.6	519.2	383.0	214.6	93.8	249.2	439.4
86°	81.0	210.0	371.9	495.4	548.4	495.8	360.0	193.7	72.5	226.4	416.4
87°	60.7	188.3	348.7	471.2	524.6	472.7	338.3	173.2	53.4	205.7	392.4
88°	45.8	171.9	330.0	451.9	506.2	454.9	321.3	156.1	38.6	187.6	372.0
89°	35.5	157.2	315.5	435.5	486.4	436.3	304.8	141.9	28.3	171.3	353.3



TEST NUMBER: P600973

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	30.8	146.8	302.3	421.5	473.5	423.9	293.3	131.9	23.6	159.0	338.7
91°	29.9	138.6	292.2	409.2	457.6	408.5	281.7	123.9	23.1	149.4	325.2
92°	29.2	130.7	281.7	397.1	446.2	397.7	272.0	117.0	22.8	141.2	314.4
93°	28.5	123.5	271.1	384.8	432.2	384.6	262.0	109.7	23.1	132.4	302.5
94°	27.5	116.6	261.5	373.1	420.0	373.4	253.2	102.8	22.6	124.1	291.6
95°	27.3	110.0	252.1	362.1	406.8	360.3	242.5	96.5	21.9	116.7	280.8
96°	26.4	103.2	242.0	350.9	394.4	350.7	233.7	90.8	21.0	109.5	270.3
97°	25.9	97.0	232.9	338.7	382.6	338.1	223.9	85.1	19.8	102.3	258.8
98°	25.4	91.8	223.8	328.6	369.6	327.4	215.7	79.6	19.3	96.2	248.6
99°	24.9	86.1	214.6	318.2	358.7	317.0	206.8	75.0	18.8	89.6	238.5
100°	24.5	80.7	206.1	307.6	345.2	306.3	197.8	70.7	18.8	83.6	228.4
101°	24.0	76.5	197.7	297.0	335.4	296.5	189.2	65.6	18.7	78.3	219.4
102°	24.0	72.2	188.7	287.1	321.6	284.8	181.9	61.1	18.7	73.6	209.7
103°	23.5	67.6	181.0	276.1	313.7	274.8	174.4	56.8	18.6	68.6	200.5
104°	23.0	63.4	173.0	265.8	300.4	263.4	166.1	52.6	18.5	63.9	192.2
105°	22.4	59.7	165.9	256.2	291.7	254.7	159.2	49.1	18.4	59.4	183.2
106°	22.1	55.7	157.9	246.4	278.6	244.2	151.0	45.1	18.3	55.3	174.6
107°	21.9	51.5	151.0	236.8	270.6	235.7	144.3	41.6	18.2	51.2	166.5
108°	21.4	48.4	143.4	227.1	257.3	225.7	136.0	38.3	18.1	46.9	158.5
109°	20.9	44.7	136.7	217.6	250.1	217.3	129.8	35.3	17.7	43.4	151.1
110°	20.5	41.3	129.9	208.3	238.4	208.2	122.4	32.4	17.0	39.4	142.8
111°	20.0	38.3	123.3	200.0	229.9	199.7	116.5	29.4	16.9	36.3	136.0
112°	19.5	35.2	117.1	190.9	219.3	190.1	109.8	26.4	16.5	33.0	128.4
113°	19.3	32.4	110.8	182.2	211.0	181.8	104.2	24.0	15.8	29.3	121.6
114°	19.1	29.8	104.7	173.9	201.5	172.2	97.7	21.7	16.0	26.4	115.1
115°	18.8	27.4	98.9	166.0	193.5	164.3	92.4	19.3	15.5	23.8	108.4
116°	18.1	24.8	93.3	157.9	184.1	155.3	86.6	17.9	15.1	21.7	101.9
117°	17.9	22.9	87.4	150.3	175.3	148.2	81.3	16.0	14.8	18.8	95.4
118°	17.2	21.0	81.9	142.7	167.1	140.1	76.0	14.8	14.6	17.0	89.9
119°	16.7	20.1	77.4	135.2	158.1	133.1	71.4	14.3	14.3	15.3	83.5
120°	16.5	19.1	72.2	128.0	151.1	126.0	66.0	14.3	14.0	14.4	78.1
121°	16.0	18.7	67.3	121.1	141.7	118.7	61.1	14.1	13.7	14.2	73.0
122°	15.5	18.2	62.6	114.2	135.5	111.7	56.1	13.9	13.5	14.2	67.5
123°	15.5	17.9	57.8	107.6	126.6	104.9	51.8	13.8	13.2	13.7	62.0
124°	14.8	17.7	53.0	101.1	120.5	98.2	46.6	13.6	12.3	13.4	56.9
125°	14.1	17.5	48.7	94.8	111.5	91.8	42.5	12.2	12.0	12.5	52.0
126°	13.6	17.0	44.1	88.3	105.7	85.3	37.9	12.2	11.3	12.5	46.9
127°	13.2	16.5	40.1	82.1	97.8	79.3	34.2	11.7	11.3	12.0	42.4
128°	12.9	16.1	35.7	76.7	92.2	73.9	30.5	11.5	10.9	11.8	38.0
129°	12.9	15.3	32.2	70.5	84.2	67.8	26.4	11.5	10.6	11.3	33.4
130°	12.2	15.1	28.4	65.3	79.5	62.5	23.0	11.3	10.2	11.1	29.3
131°	12.0	14.6	24.9	59.5	72.8	56.7	19.6	11.5	9.8	10.6	25.4
132°	11.5	14.4	21.5	54.2	67.5	51.3	16.6	11.0	9.4	10.9	21.5
133°	11.3	13.9	18.5	49.2	61.3	46.4	14.1	10.6	8.5	10.9	18.3
134°	11.0	13.2	15.9	44.1	56.0	41.1	11.7	10.6	8.0	10.6	14.7



TEST NUMBER: P600973

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	10.6	13.2	14.2	39.4	49.8	36.5	10.2	10.3	8.0	10.4	11.8
136°	10.6	12.8	13.3	34.9	44.9	32.0	9.5	9.4	8.0	9.4	10.7
137°	10.1	12.5	13.0	30.4	39.3	27.4	9.0	8.7	8.0	8.7	9.9
138°	10.1	12.1	12.8	26.6	34.4	23.6	8.5	8.0	7.9	8.5	9.0
139°	9.6	11.7	12.3	22.4	29.5	19.6	8.3	8.0	7.9	8.0	8.5
140°	9.4	11.3	12.1	18.8	25.4	16.0	8.1	7.5	7.9	8.0	8.3
141°	9.4	10.9	11.4	15.4	21.0	12.7	7.8	7.4	7.9	7.9	7.6
142°	8.9	10.4	11.1	13.0	16.6	10.5	7.8	7.2	7.8	7.9	7.3
143°	8.9	10.2	11.1	11.9	13.6	8.6	7.7	7.1	7.8	7.8	7.1
144°	8.5	9.9	10.7	11.4	10.0	8.4	7.6	7.0	7.8	7.7	6.9
145°	8.2	9.7	10.4	11.2	8.1	8.1	7.6	6.8	7.8	7.7	6.6
146°	8.0	9.2	10.1	10.9	7.6	7.9	7.5	6.7	7.3	7.6	6.7
147°	7.8	9.0	9.8	10.7	7.4	7.9	7.4	6.6	7.1	7.5	6.7
148°	7.5	9.0	9.4	10.4	7.2	7.8	7.4	6.5	7.3	7.4	6.7
149°	7.5	8.7	9.1	10.2	6.9	7.7	7.3	6.6	6.8	7.4	6.8
150°	7.3	8.3	9.0	9.7	7.2	7.6	7.3	6.6	6.8	7.3	6.8
151°	7.3	8.3	9.0	9.7	6.9	7.5	7.3	6.6	6.1	7.2	6.8
152°	6.8	8.0	8.9	9.5	6.7	7.4	7.2	6.6	6.1	7.3	6.8
153°	7.1	7.6	8.8	9.5	6.4	7.3	7.2	6.6	6.1	7.3	6.9
154°	7.0	7.6	8.8	8.8	6.4	7.2	7.2	6.7	6.1	7.4	6.9
155°	7.0	7.6	8.8	8.7	6.4	7.1	7.1	6.7	6.1	7.4	6.9
156°	7.0	7.6	8.8	8.6	6.4	7.0	7.1	6.7	6.1	7.5	7.0
157°	6.9	7.6	8.7	8.5	6.4	6.9	7.1	6.7	6.1	7.6	7.0
158°	6.9	7.6	8.7	8.4	6.3	6.9	7.0	6.7	6.1	7.6	7.0
159°	6.9	7.6	8.7	8.3	6.3	6.9	7.0	6.8	6.1	7.7	7.1
160°	6.9	7.7	8.7	8.3	6.3	6.8	7.0	6.8	6.1	7.7	7.1
161°	7.0	7.7	8.6	8.5	6.3	6.8	6.9	6.8	7.0	7.8	7.3
162°	7.0	7.7	8.6	8.1	6.3	6.8	6.9	7.3	7.8	8.3	8.1
163°	7.0	7.7	8.6	7.8	6.3	6.7	6.9	7.7	8.2	8.5	8.5
164°	7.1	7.7	8.6	7.8	6.3	6.7	7.1	8.0	8.7	8.7	8.8
165°	7.1	7.7	8.6	7.7	6.3	6.7	7.4	8.2	9.2	8.8	9.2
166°	7.3	7.8	8.5	7.6	6.3	6.7	7.6	8.4	9.4	8.8	9.7
167°	7.3	7.8	8.5	7.6	6.4	6.6	7.6	8.5	10.1	8.8	9.9
168°	8.0	7.8	8.5	7.5	6.4	6.6	7.6	8.5	10.6	8.8	10.0
169°	8.0	8.0	8.5	7.4	6.4	6.6	7.6	8.5	11.1	8.8	10.0
170°	8.2	8.5	8.4	7.3	6.5	6.5	7.6	8.5	11.5	8.8	10.1
171°	8.0	8.7	8.4	7.3	6.5	6.5	7.6	8.6	11.5	8.9	10.1
172°	8.2	9.2	8.4	7.3	6.6	6.5	7.6	8.6	11.5	8.9	10.2
173°	8.3	9.7	8.4	7.3	6.6	6.4	7.6	8.6	11.4	8.9	10.2
174°	8.5	9.9	8.4	7.3	6.7	6.9	7.6	8.6	11.4	8.9	10.3
175°	8.6	9.9	8.3	7.3	6.7	6.9	8.1	8.6	11.4	8.9	10.3
176°	8.8	9.9	8.3	7.3	7.2	7.2	7.8	8.7	11.3	8.9	10.4
177°	8.9	10.1	8.3	7.4	7.4	7.4	7.8	8.7	11.3	9.0	10.4
178°	8.9	10.1	8.3	7.4	7.4	7.6	7.8	8.7	11.3	9.0	10.4
179°	8.9	10.1	8.3	7.4	7.4	7.9	7.8	8.7	11.3	9.0	10.4



TEST NUMBER: P600973
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

TEST NUMBER: P600973

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
1°	2531.5	2530.8	2532.3	2527.6	2530.2	2530.2
2°	2532.3	2529.8	2533.3	2523.9	2528.0	2530.2
3°	2531.0	2524.9	2530.6	2526.8	2527.2	2528.8
4°	2526.4	2522.3	2528.0	2525.8	2517.4	2521.3
5°	2523.7	2521.1	2523.5	2521.5	2516.8	2514.8
6°	2517.6	2518.4	2518.5	2517.6	2512.8	2506.1
7°	2512.2	2513.4	2516.2	2514.6	2507.5	2501.4
8°	2506.7	2509.5	2512.4	2508.7	2499.6	2493.7
9°	2498.5	2501.8	2503.6	2504.0	2488.6	2487.2
10°	2492.6	2495.5	2495.9	2495.7	2480.4	2474.1
11°	2482.3	2487.0	2487.6	2487.6	2466.4	2468.5
12°	2474.2	2477.4	2476.0	2476.8	2457.5	2453.8
13°	2465.2	2463.8	2471.9	2465.2	2445.9	2437.6
14°	2452.0	2454.4	2463.4	2454.2	2427.8	2424.4
15°	2440.8	2446.1	2452.6	2443.9	2415.0	2408.9
16°	2428.6	2433.5	2437.6	2429.4	2401.6	2394.1
17°	2416.6	2419.7	2426.6	2413.8	2380.5	2374.6
18°	2402.0	2405.9	2410.3	2397.7	2364.4	2356.3
19°	2388.2	2392.1	2398.0	2381.7	2344.7	2339.8
20°	2372.8	2378.0	2385.1	2365.2	2327.4	2319.1
21°	2352.8	2361.0	2367.5	2346.7	2307.1	2298.8
22°	2338.4	2346.9	2351.0	2326.4	2285.0	2276.6
23°	2321.6	2329.3	2334.1	2308.5	2263.8	2254.9
24°	2302.9	2312.8	2316.3	2290.1	2241.3	2231.7
25°	2287.2	2291.7	2294.1	2270.8	2218.9	2206.7
26°	2265.3	2275.8	2275.4	2248.6	2195.2	2182.8
27°	2247.0	2257.3	2253.9	2224.8	2171.4	2156.5
28°	2226.2	2238.0	2235.2	2200.9	2147.6	2129.5
29°	2205.3	2216.3	2214.7	2177.7	2123.2	2099.5
30°	2183.8	2198.6	2193.3	2153.7	2097.2	2071.6
31°	2161.2	2176.1	2171.0	2126.5	2068.4	2042.6
32°	2137.9	2153.1	2149.2	2103.3	2041.9	2014.3
33°	2116.5	2130.7	2126.9	2079.5	2013.3	1984.8
34°	2092.1	2110.2	2105.1	2052.5	1983.2	1954.2
35°	2067.3	2086.9	2082.0	2024.5	1952.4	1921.2
36°	2043.2	2061.7	2055.6	1997.9	1923.8	1889.9
37°	2019.0	2040.1	2031.4	1969.2	1894.0	1860.6
38°	1994.4	2017.0	2006.6	1941.9	1859.9	1828.8
39°	1967.8	1994.4	1983.6	1915.2	1830.1	1794.7
40°	1941.7	1970.8	1957.2	1883.9	1797.6	1761.2
41°	1915.7	1944.0	1932.7	1852.9	1765.1	1727.1
42°	1891.5	1918.9	1904.7	1823.2	1733.1	1693.4
43°	1865.1	1893.6	1877.2	1794.0	1699.2	1658.9
44°	1837.2	1869.1	1849.8	1762.9	1666.3	1624.7

TEST NUMBER: P600973

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1810.5	1842.0	1821.9	1729.6	1633.6	1590.0
46°	1784.1	1815.2	1794.2	1699.7	1598.7	1554.1
47°	1757.8	1789.6	1768.1	1668.3	1564.8	1517.7
48°	1729.7	1761.7	1738.6	1635.2	1529.9	1481.1
49°	1701.8	1734.4	1711.8	1604.5	1494.6	1443.3
50°	1673.9	1707.7	1680.9	1572.2	1461.0	1407.5
51°	1644.0	1681.5	1652.1	1541.9	1425.0	1368.4
52°	1613.0	1654.0	1619.8	1511.1	1389.1	1331.0
53°	1584.0	1625.1	1590.2	1476.6	1353.6	1295.6
54°	1554.0	1598.1	1560.2	1443.2	1317.6	1259.5
55°	1525.5	1570.7	1531.9	1409.0	1282.4	1221.6
56°	1495.2	1543.0	1504.5	1376.1	1246.3	1181.4
57°	1465.4	1513.4	1473.5	1345.3	1210.7	1144.9
58°	1433.2	1483.0	1440.9	1312.1	1173.5	1106.1
59°	1404.4	1454.7	1409.4	1278.9	1136.4	1066.8
60°	1373.1	1424.6	1377.7	1245.6	1100.7	1029.7
61°	1340.4	1391.9	1344.5	1212.4	1061.8	988.8
62°	1308.9	1364.1	1311.9	1178.0	1025.9	951.7
63°	1276.7	1332.6	1282.6	1147.0	989.3	911.8
64°	1247.0	1301.1	1250.1	1113.2	951.6	872.2
65°	1212.9	1270.6	1216.9	1079.0	915.8	834.1
66°	1184.3	1237.9	1185.4	1046.4	879.3	794.5
67°	1149.2	1205.9	1153.4	1011.9	841.1	753.7
68°	1116.2	1174.6	1120.1	975.7	804.3	713.3
69°	1085.0	1144.0	1088.5	944.9	769.6	673.4
70°	1050.6	1110.6	1055.4	909.2	735.0	633.4
71°	1019.5	1078.2	1024.2	875.2	698.3	594.2
72°	986.5	1045.6	990.7	841.3	663.0	555.4
73°	953.4	1011.5	956.5	807.8	626.5	515.0
74°	921.1	980.0	923.9	774.7	591.2	476.0
75°	889.0	943.5	892.6	739.1	556.7	438.3
76°	855.7	910.7	860.2	707.3	522.3	399.7
77°	825.5	874.8	826.1	674.8	488.5	362.2
78°	791.4	839.8	795.9	641.8	453.9	324.6
79°	762.2	805.7	762.9	610.9	422.1	289.2
80°	729.7	771.4	730.6	579.5	390.0	254.6
81°	699.2	738.8	698.3	551.0	358.5	221.1
82°	668.0	706.3	667.6	521.1	328.8	188.8
83°	639.0	676.2	637.7	492.2	301.1	158.1
84°	609.7	646.6	608.0	464.7	273.3	129.9
85°	582.2	618.6	581.3	438.5	248.3	104.3
86°	558.7	592.8	555.6	413.4	224.5	81.0
87°	535.2	568.3	530.2	389.3	200.9	60.7
88°	515.2	544.7	506.9	367.7	182.4	45.8
89°	494.3	524.0	486.6	349.0	166.8	35.5

TEST NUMBER: P600973

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	478.7	506.6	469.0	332.9	154.0	30.8
91°	462.2	491.4	454.3	321.1	145.2	29.9
92°	449.3	476.8	440.4	309.5	136.7	29.2
93°	435.1	464.3	427.1	298.3	128.8	28.5
94°	421.8	450.9	414.3	287.5	120.7	27.5
95°	407.5	438.1	401.7	275.7	113.9	27.3
96°	394.9	425.2	387.5	265.2	106.9	26.4
97°	380.6	412.8	375.4	255.3	100.2	25.9
98°	368.2	400.8	363.6	246.1	93.8	25.4
99°	356.0	388.8	351.7	235.9	87.9	24.9
100°	343.6	376.9	340.5	226.0	82.3	24.5
101°	331.5	365.6	328.4	216.7	78.0	24.0
102°	319.9	354.5	317.1	207.4	73.0	24.0
103°	308.8	343.2	305.4	198.6	68.5	23.5
104°	296.5	331.6	294.5	189.9	63.7	23.0
105°	285.5	322.7	282.7	181.6	59.7	22.4
106°	273.8	311.8	272.5	172.8	55.2	22.1
107°	263.4	300.8	262.7	164.6	51.1	21.9
108°	251.8	288.7	253.4	156.6	47.9	21.4
109°	242.9	278.7	243.5	149.1	44.3	20.9
110°	231.7	267.7	233.3	141.4	41.0	20.5
111°	223.0	256.7	223.5	134.0	37.8	20.0
112°	212.7	246.0	213.7	127.5	34.9	19.5
113°	204.1	235.7	204.1	120.6	32.1	19.3
114°	194.8	225.8	194.6	113.9	29.3	19.1
115°	185.9	216.1	185.8	106.9	27.0	18.8
116°	176.5	206.2	177.2	101.2	24.4	18.1
117°	168.0	197.1	168.7	95.0	22.5	17.9
118°	159.2	188.4	160.6	89.3	21.4	17.2
119°	151.3	179.0	152.5	83.7	20.6	16.7
120°	143.5	170.3	144.2	78.6	19.9	16.5
121°	135.1	161.8	136.4	73.2	19.7	16.0
122°	128.0	153.1	129.3	68.1	19.5	15.5
123°	120.0	144.9	121.2	62.9	19.0	15.5
124°	112.6	137.2	114.2	58.1	18.8	14.8
125°	105.8	129.4	106.9	53.2	18.5	14.1
126°	98.4	121.4	99.9	48.4	17.8	13.6
127°	92.1	113.9	93.3	44.1	17.6	13.2
128°	85.6	106.9	86.5	39.7	17.1	12.9
129°	78.8	99.6	80.4	35.3	16.7	12.9
130°	73.3	92.6	74.4	31.6	16.4	12.2
131°	67.3	86.1	68.3	27.7	15.9	12.0
132°	61.2	79.7	62.5	24.5	15.3	11.5
133°	56.1	73.4	56.7	20.9	15.0	11.3
134°	49.4	67.1	51.2	18.0	14.8	11.0

TEST NUMBER: P600973

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	44.4	61.0	45.6	15.9	14.1	10.6
136°	38.7	55.2	40.8	14.7	13.8	10.6
137°	33.7	49.6	36.0	14.5	13.4	10.1
138°	29.2	44.0	31.1	14.2	13.1	10.1
139°	24.5	38.8	26.6	13.8	12.4	9.6
140°	20.6	34.0	22.7	13.5	12.2	9.4
141°	15.9	29.2	18.9	12.8	12.0	9.4
142°	12.3	24.5	15.6	12.6	11.5	8.9
143°	10.9	20.4	13.6	12.1	11.0	8.9
144°	9.3	16.6	12.9	11.6	10.6	8.5
145°	8.5	13.9	12.6	11.4	10.3	8.2
146°	8.3	12.9	12.3	10.9	10.3	8.0
147°	7.8	12.0	12.0	10.7	9.9	7.8
148°	7.7	11.7	11.7	10.4	9.4	7.5
149°	7.7	11.2	11.5	10.0	9.4	7.5
150°	7.6	11.0	11.0	9.7	8.9	7.3
151°	7.5	10.8	10.7	9.5	9.2	7.3
152°	7.4	10.5	10.5	9.0	8.9	6.8
153°	7.3	10.5	10.5	9.0	8.9	7.1
154°	7.2	10.0	10.3	9.0	8.8	7.0
155°	7.1	9.6	10.1	9.0	8.8	7.0
156°	6.2	9.5	9.9	9.0	8.7	7.0
157°	6.4	9.4	9.7	8.9	8.6	6.9
158°	6.2	9.3	9.5	8.9	8.6	6.9
159°	6.2	9.2	9.4	8.9	8.5	6.9
160°	6.4	9.2	9.2	8.9	8.5	6.9
161°	6.6	9.1	9.1	8.9	8.4	7.0
162°	6.9	8.6	9.0	8.8	8.4	7.0
163°	7.1	8.8	8.9	8.8	8.3	7.0
164°	7.4	8.6	8.7	8.8	8.3	7.1
165°	7.6	8.5	8.6	8.8	8.2	7.1
166°	7.8	8.4	8.5	8.8	8.7	7.3
167°	8.1	8.3	8.4	8.7	9.2	7.3
168°	8.1	8.2	8.4	8.7	9.6	8.0
169°	8.1	8.1	8.3	8.7	9.9	8.0
170°	8.1	7.7	8.3	8.7	11.0	8.2
171°	8.2	7.9	8.2	8.7	10.8	8.0
172°	8.2	7.6	8.2	8.6	11.0	8.2
173°	8.2	7.6	8.1	8.6	11.0	8.3
174°	8.2	7.4	7.9	8.6	11.0	8.5
175°	8.3	7.2	7.9	8.6	11.0	8.6
176°	8.3	7.2	7.9	8.6	11.0	8.8
177°	8.3	7.4	7.9	8.6	11.0	8.9
178°	8.3	7.4	7.9	8.6	11.0	8.9
179°	8.3	7.4	7.9	8.6	11.0	8.9



TEST NUMBER: P600973
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	9.0	9.0	9.0	9.0	9.0	9.0

(END OF REPORT)