

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P861212

Luminaire Tested: **8APVTLD-SL3C3 LO POWER 5000K 277V**

Issue Date: 1/11/2023

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P861212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (NTCLR22090026)
Test Lab: INNOVATION CENTER
Issue Date: 1/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 8APVTLD-SL3C3 LO POWER 5000K 277V
Description: LOW POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER
Luminaire Equipment: Sample No. Condition Description

Summary

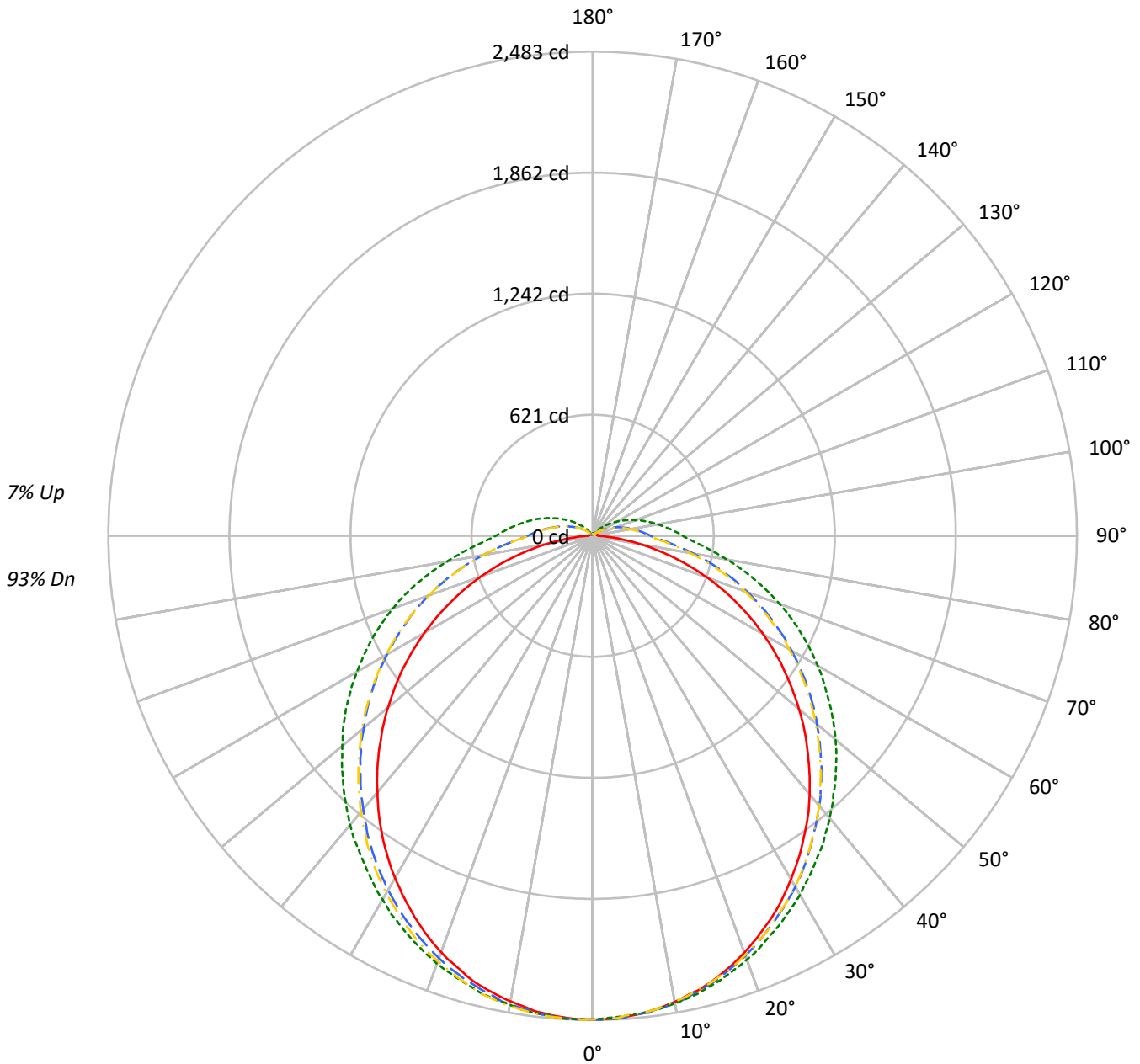
Lumens per Lamp: N/A
Luminaire Lumens: 8426.7 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93																			
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	74																			
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	66	63	60																			
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50																			
4	79	66	57	50	76	65	56	49	61	54	48	58	52	46	55	49	45	43																			
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	43	39	37																			
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	32																			
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28																			
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	25																			
9	54	40	32	26	52	39	31	26	38	30	25	36	29	25	34	29	24	22																			
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10014	10014	10014	10014
5°	9990	9769	9988	9797
10°	9930	9563	9920	9587
15°	9862	9335	9854	9384
20°	9735	9108	9722	9192
25°	9597	8875	9566	8983
30°	9424	8659	9387	8775
35°	9236	8429	9198	8580
40°	9043	8237	8967	8426
45°	8807	8044	8743	8258
50°	8568	7865	8494	8111
55°	8297	7678	8238	8005
60°	8010	7509	7893	7863
65°	7642	7318	7482	7759
70°	7155	7130	6968	7619
75°	6458	6924	6247	7472
80°	5505	6731	5195	7277
85°	4279	6713	3807	7296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	2.8
10°-20°	670.9	8.0
20°-30°	1014.6	12.0
30°-40°	1226.5	14.6
40°-50°	1290.8	15.3
50°-60°	1212.6	14.4
60°-70°	1011.3	12.0
70°-80°	721.3	8.6
80°-90°	422.4	5.0
90°-100°	262.9	3.1
100°-110°	172.8	2.1
110°-120°	101.5	1.2
120°-130°	51.6	0.6
130°-140°	19.8	0.2
140°-150°	6.2	0.1
150°-160°	3.6	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	1920.2	22.8
0°-40°	3146.7	37.3
0°-60°	5650.1	67.1
0°-90°	7805.2	92.6
90°-120°	537.2	6.4
90°-150°	614.8	7.3
90°-180°	621.0	7.4
0°-180°	8426.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2481	2481	2481	2481	2481	
5°	2468	2464	2467	2471	2468	234
15°	2366	2384	2365	2396	2366	667
25°	2165	2225	2158	2252	2165	997
35°	1888	2010	1880	2046	1888	1182
45°	1559	1762	1548	1808	1559	1203
55°	1196	1480	1188	1544	1196	1070
65°	818	1177	801	1248	818	809
75°	430	858	416	926	430	456
85°	103	559	92	608	103	115
90°	31	463	23	497	31	19
95°	26	399	21	430	26	21
105°	22	286	18	316	22	24
115°	18	189	15	212	18	18
125°	14	110	12	127	14	13
135°	11	49	8	60	11	8
145°	8	8	6	14	8	5
155°	7	7	6	10	7	3
165°	7	6	9	8	7	2
175°	9	6	10	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°	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8
1°	2481.0	2477.3	2482.9	2477.7	2477.5	2482.9	2480.2	2477.1	2480.8	2479.8	2481.7
2°	2478.7	2477.5	2481.5	2475.0	2472.9	2477.3	2477.3	2475.0	2480.8	2476.8	2481.9
3°	2477.5	2479.6	2479.0	2474.5	2471.4	2480.2	2476.8	2474.3	2477.0	2476.0	2481.0
4°	2472.8	2475.8	2474.7	2469.5	2467.4	2471.4	2465.7	2467.6	2471.6	2470.7	2473.3
5°	2467.8	2472.8	2466.5	2465.3	2463.6	2465.9	2464.6	2462.1	2467.2	2466.8	2470.3
6°	2462.5	2464.9	2462.3	2462.1	2460.9	2462.8	2458.8	2456.0	2460.9	2462.5	2469.7
7°	2453.7	2456.4	2461.9	2456.7	2455.4	2455.2	2454.6	2447.6	2455.0	2457.9	2458.8
8°	2445.3	2450.1	2451.6	2448.5	2449.9	2448.9	2447.4	2440.1	2443.0	2448.7	2453.5
9°	2437.5	2441.7	2442.2	2438.6	2443.0	2443.0	2435.0	2433.7	2433.8	2440.1	2446.4
10°	2427.2	2428.9	2430.6	2432.5	2435.9	2436.3	2425.1	2426.2	2424.7	2431.7	2440.3
11°	2415.2	2420.5	2424.7	2423.0	2427.0	2423.0	2416.7	2413.8	2414.0	2420.5	2433.3
12°	2401.4	2403.9	2410.8	2411.3	2418.6	2412.7	2404.5	2402.2	2402.2	2407.9	2417.1
13°	2394.0	2394.0	2398.6	2399.9	2408.5	2404.3	2389.2	2386.5	2390.4	2391.5	2404.7
14°	2379.3	2381.8	2384.6	2389.2	2394.4	2390.5	2379.9	2374.0	2377.8	2378.7	2393.8
15°	2366.5	2365.0	2373.0	2376.8	2383.5	2376.2	2368.6	2360.6	2364.6	2367.3	2379.5
16°	2348.2	2351.8	2360.4	2362.3	2371.3	2363.7	2352.0	2339.6	2346.5	2351.4	2368.6
17°	2330.8	2334.3	2340.6	2348.2	2356.6	2352.0	2341.0	2325.5	2326.3	2336.4	2352.0
18°	2313.9	2320.2	2324.4	2331.4	2342.5	2337.7	2323.4	2308.0	2308.9	2318.4	2337.7
19°	2294.2	2299.6	2309.5	2320.7	2329.1	2321.7	2305.7	2285.8	2292.5	2300.1	2321.9
20°	2275.0	2279.2	2292.7	2303.6	2313.3	2305.5	2288.5	2269.4	2271.9	2278.6	2304.9
21°	2254.4	2256.1	2271.5	2285.1	2298.0	2286.8	2269.2	2249.6	2251.5	2259.9	2286.4
22°	2231.8	2236.8	2253.8	2270.0	2281.3	2271.5	2250.5	2231.1	2229.4	2241.4	2268.3
23°	2209.5	2215.4	2231.8	2249.4	2260.8	2252.6	2232.0	2209.9	2205.9	2219.3	2249.2
24°	2187.6	2196.0	2210.5	2230.3	2241.4	2231.5	2213.3	2186.6	2182.4	2196.4	2229.2
25°	2165.3	2172.9	2190.3	2214.1	2225.0	2212.2	2189.3	2162.8	2158.2	2174.8	2208.2
26°	2141.6	2147.7	2168.3	2192.2	2206.7	2194.3	2166.6	2139.7	2131.7	2150.8	2189.1
27°	2116.6	2122.9	2148.3	2170.8	2184.9	2176.3	2145.3	2112.3	2105.8	2124.1	2166.6
28°	2088.8	2099.9	2125.0	2149.4	2165.9	2154.0	2123.3	2087.5	2080.6	2099.5	2143.7
29°	2061.5	2074.9	2102.0	2130.8	2146.8	2131.9	2098.5	2062.1	2052.6	2075.1	2120.6
30°	2034.1	2044.2	2078.1	2108.8	2126.0	2108.8	2075.4	2036.7	2026.2	2047.2	2097.6
31°	2005.8	2018.4	2054.7	2087.1	2100.8	2087.5	2052.2	2007.0	1999.3	2020.3	2072.0
32°	1978.4	1991.1	2029.1	2062.5	2079.1	2065.1	2025.9	1979.1	1970.0	1994.2	2047.4
33°	1950.5	1963.3	2003.0	2038.8	2058.1	2038.1	1998.6	1954.1	1939.3	1965.4	2023.2
34°	1919.4	1933.5	1974.4	2016.1	2033.7	2015.0	1972.4	1921.7	1910.3	1937.7	1997.2
35°	1888.1	1905.2	1946.7	1991.9	2010.0	1989.6	1945.7	1891.6	1880.3	1908.2	1971.5
36°	1857.7	1877.5	1919.0	1966.7	1990.2	1967.7	1917.3	1862.9	1848.5	1878.8	1943.3
37°	1828.3	1849.5	1891.7	1941.7	1966.3	1941.4	1888.3	1835.0	1817.6	1849.4	1917.9
38°	1798.0	1815.3	1864.8	1916.2	1938.1	1914.6	1863.0	1799.5	1783.9	1820.0	1886.4
39°	1763.2	1785.7	1836.5	1890.2	1915.0	1891.0	1835.4	1766.6	1750.8	1790.7	1860.2
40°	1731.2	1754.5	1807.3	1866.9	1891.1	1865.0	1806.3	1736.7	1716.7	1760.2	1830.2
41°	1695.7	1722.3	1779.8	1841.4	1864.1	1838.8	1774.4	1705.8	1684.7	1729.7	1802.1
42°	1662.4	1688.7	1747.4	1813.4	1840.3	1811.6	1743.2	1672.7	1651.0	1696.0	1775.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1558.9	1590.9	1660.0	1734.5	1761.5	1729.1	1650.8	1570.5	1547.6	1599.0	1683.9
46°	1524.2	1556.0	1626.7	1706.1	1734.3	1701.5	1621.0	1537.1	1510.9	1565.7	1655.6
47°	1489.8	1522.0	1594.8	1678.8	1707.4	1672.9	1586.7	1502.7	1478.5	1530.0	1624.2
48°	1454.5	1487.6	1566.1	1650.3	1681.7	1646.4	1554.9	1467.4	1441.9	1496.6	1598.3
49°	1418.5	1453.7	1533.2	1622.4	1654.5	1616.6	1522.5	1431.1	1406.8	1460.7	1563.4
50°	1381.4	1417.6	1501.0	1592.2	1625.7	1587.1	1492.4	1397.2	1369.4	1426.4	1531.9
51°	1345.3	1379.9	1471.9	1561.6	1597.4	1559.4	1460.7	1362.1	1332.7	1390.9	1503.9
52°	1307.8	1347.5	1439.9	1534.2	1567.5	1527.9	1426.4	1325.5	1296.9	1358.9	1471.8
53°	1270.7	1312.2	1407.7	1506.8	1539.7	1499.0	1396.4	1290.4	1259.3	1322.7	1441.1
54°	1233.5	1277.1	1375.4	1475.5	1509.7	1468.8	1362.1	1254.2	1222.7	1287.5	1410.7
55°	1196.5	1241.2	1342.6	1443.0	1480.5	1440.2	1329.9	1218.5	1188.0	1251.8	1379.3
56°	1161.9	1204.5	1310.5	1412.8	1448.3	1407.0	1296.6	1183.5	1147.9	1216.8	1346.1
57°	1123.5	1168.3	1276.1	1384.9	1420.4	1378.4	1264.0	1147.1	1110.3	1182.1	1314.6
58°	1085.9	1132.8	1243.7	1351.7	1391.5	1347.3	1230.3	1111.7	1071.5	1144.0	1283.5
59°	1048.2	1095.2	1211.2	1322.1	1363.7	1316.4	1198.1	1074.5	1033.6	1109.6	1250.0
60°	1010.1	1057.5	1177.7	1291.5	1332.9	1283.3	1164.2	1035.7	995.4	1075.1	1218.1
61°	971.3	1021.0	1145.5	1258.6	1301.2	1253.3	1133.1	1000.2	956.8	1038.6	1185.4
62°	934.5	984.9	1113.6	1228.7	1272.1	1222.7	1099.6	962.9	919.5	1001.9	1152.4
63°	895.5	949.2	1077.6	1193.9	1240.6	1188.6	1063.7	927.2	879.3	968.3	1120.6
64°	855.9	913.4	1044.7	1163.6	1210.6	1158.4	1030.5	891.1	839.2	932.1	1087.8
65°	818.0	876.2	1012.1	1133.6	1177.0	1124.0	997.8	855.0	800.9	895.5	1054.6
66°	779.0	841.3	979.7	1102.0	1146.8	1094.0	965.2	817.3	763.2	860.9	1024.4
67°	740.7	804.8	944.6	1071.6	1114.6	1061.7	930.6	783.0	725.3	825.8	992.9
68°	701.5	769.3	910.8	1036.9	1084.6	1028.9	897.3	747.1	685.8	789.6	959.8
69°	663.1	733.5	879.1	1005.0	1051.1	996.8	863.8	711.7	647.9	754.0	926.7
70°	623.6	698.1	846.2	970.8	1019.1	963.9	829.4	676.3	607.3	719.9	894.2
71°	583.6	663.3	812.5	939.5	987.6	931.1	795.8	640.5	568.1	684.5	860.4
72°	545.1	627.5	781.7	907.1	955.2	899.3	762.7	605.8	530.9	649.4	829.2
73°	506.2	592.1	748.5	871.1	922.0	867.3	730.0	569.5	492.8	614.4	795.2
74°	468.6	558.4	715.5	837.6	889.1	835.5	697.3	538.1	453.8	580.4	763.6
75°	430.2	523.8	682.3	804.4	858.2	804.2	664.5	502.0	416.1	545.3	729.3
76°	393.3	490.6	650.8	774.4	824.1	769.9	632.0	467.6	379.0	512.5	697.4
77°	356.4	458.4	618.7	744.5	793.8	741.1	601.5	434.9	342.1	478.9	665.3
78°	320.1	426.3	586.5	712.9	760.9	705.5	567.2	403.4	305.8	446.2	632.5
79°	284.7	394.8	555.0	681.6	731.8	678.6	538.9	372.3	270.6	414.4	601.0
80°	250.8	364.2	525.2	649.4	700.1	645.4	507.5	341.7	236.7	382.5	569.4
81°	217.5	335.1	495.0	620.7	669.7	617.9	479.8	312.7	204.1	353.3	540.7
82°	186.1	306.6	466.2	590.4	639.3	588.6	450.5	284.1	172.1	322.3	510.5
83°	156.3	279.4	438.5	562.3	611.2	561.1	423.5	257.6	142.0	295.5	482.9
84°	128.6	252.8	412.6	534.3	586.2	532.9	398.0	232.8	115.0	268.6	456.5
85°	103.4	228.4	388.5	509.5	559.1	508.9	374.9	210.2	92.0	243.4	431.7
86°	80.5	205.2	364.8	485.3	536.2	485.9	352.5	188.9	71.0	221.1	408.5
87°	60.5	184.9	341.8	461.4	512.6	463.9	331.4	169.6	52.1	201.3	385.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	30.7	143.7	296.8	412.3	463.4	416.0	287.5	129.3	23.3	155.4	333.5
91°	29.3	136.1	286.6	399.2	448.5	401.4	275.3	121.4	22.4	146.2	320.8
92°	28.6	128.3	276.1	387.4	437.1	390.9	268.0	114.5	21.9	138.2	309.6
93°	27.9	121.1	266.2	376.5	422.5	377.3	257.8	107.1	21.4	130.0	297.9
94°	27.2	114.4	256.4	364.7	410.9	366.8	247.9	101.1	21.4	121.8	287.3
95°	26.5	107.8	247.0	354.2	398.9	354.1	238.2	94.6	21.0	114.0	275.5
96°	26.3	100.8	237.9	343.3	385.7	343.8	230.0	88.9	19.6	107.2	265.2
97°	25.3	95.3	228.8	331.8	374.9	330.9	219.6	83.5	19.4	100.2	254.2
98°	24.9	89.8	219.4	322.1	361.8	321.3	211.5	78.2	18.9	94.0	244.5
99°	24.4	84.3	210.9	312.5	350.8	311.1	202.7	73.5	18.7	87.8	234.6
100°	24.0	79.5	201.9	301.8	338.6	301.0	193.8	69.1	18.0	81.9	224.3
101°	23.7	75.2	193.9	291.5	328.4	290.1	185.6	64.1	18.0	76.3	215.6
102°	23.7	70.8	185.7	280.3	315.8	279.8	177.9	60.1	18.0	71.9	205.2
103°	23.3	66.5	177.6	270.8	307.3	269.5	171.2	55.9	17.9	67.2	196.9
104°	22.8	62.4	169.9	260.5	294.5	258.6	163.2	51.7	17.9	62.6	188.6
105°	22.4	58.5	162.6	250.6	285.6	249.5	155.9	48.0	17.8	58.2	179.8
106°	21.9	54.3	155.2	240.5	273.9	239.3	148.2	44.6	17.8	54.0	171.9
107°	21.2	51.0	148.1	231.9	264.8	231.1	141.3	41.1	17.7	50.0	163.4
108°	20.7	47.5	140.7	222.1	253.5	221.1	133.9	37.9	17.5	45.9	155.5
109°	20.5	43.9	134.2	213.0	244.9	213.6	127.4	34.8	17.3	42.4	148.8
110°	20.3	40.6	127.5	204.3	233.5	204.3	120.3	31.7	16.6	38.6	140.2
111°	19.8	37.4	121.1	195.7	225.5	195.7	114.4	29.2	16.4	35.3	133.8
112°	19.1	34.6	114.7	187.7	215.1	186.7	108.1	26.0	16.4	32.2	126.0
113°	18.9	31.6	108.6	178.9	206.6	178.0	102.1	23.4	15.9	28.6	119.2
114°	18.7	29.3	102.9	170.5	197.4	168.8	96.2	20.9	15.7	26.0	113.1
115°	18.2	26.8	96.9	162.3	189.2	161.5	90.5	19.3	15.2	23.1	106.3
116°	17.7	24.5	91.4	154.8	180.0	152.4	84.6	17.9	14.8	21.0	99.9
117°	17.3	22.4	86.0	146.9	171.2	145.5	79.6	15.6	15.0	18.5	94.2
118°	17.1	21.0	80.8	139.5	163.4	137.6	74.9	14.9	14.7	16.6	87.9
119°	16.6	19.6	76.1	132.4	155.4	130.5	69.7	14.0	14.3	14.8	82.3
120°	16.4	18.9	70.9	125.2	148.2	123.3	64.9	14.0	14.0	14.1	76.3
121°	16.1	18.2	66.2	118.9	139.1	116.4	59.7	14.2	13.7	13.8	71.3
122°	15.7	18.0	61.4	111.6	132.9	109.8	55.2	13.8	13.4	13.8	66.6
123°	15.2	17.5	57.0	105.2	124.4	103.2	50.7	13.8	12.9	13.4	60.8
124°	14.5	17.1	52.3	98.8	117.8	96.3	46.0	12.7	12.0	13.2	56.1
125°	13.8	17.1	47.7	92.5	109.5	90.3	41.7	12.4	11.8	12.8	51.7
126°	13.6	16.6	43.5	86.3	103.8	83.7	37.4	12.0	11.5	12.4	46.3
127°	13.1	16.2	39.2	80.5	96.0	77.8	33.3	11.5	10.8	12.0	41.7
128°	12.9	15.7	35.2	75.3	90.5	72.5	30.0	11.0	10.5	11.7	37.2
129°	12.4	15.3	31.5	69.3	83.0	66.6	25.8	10.8	10.1	11.4	33.0
130°	12.2	14.9	28.0	63.7	77.9	61.1	22.8	10.6	9.7	11.1	29.0
131°	11.8	14.4	24.5	58.5	71.1	55.7	19.3	10.3	9.4	10.7	24.8
132°	11.5	14.0	21.3	53.1	66.3	50.2	16.3	10.1	9.0	10.5	22.2



TEST NUMBER: P861212

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	10.8	12.9	14.1	38.7	48.8	35.9	10.2	9.4	7.8	9.9	11.9
136°	10.6	12.5	13.2	34.1	43.8	31.3	9.5	8.7	7.7	9.7	10.7
137°	10.1	12.5	12.5	29.9	38.3	26.9	9.1	8.5	7.7	8.8	10.7
138°	9.9	11.8	12.5	26.0	34.0	23.0	8.6	8.0	7.6	8.3	9.0
139°	9.7	11.8	12.1	22.0	28.7	19.2	7.9	7.6	7.6	8.1	8.4
140°	9.5	11.3	11.6	18.5	24.9	15.7	7.7	7.4	7.5	7.6	8.3
141°	9.2	10.6	11.6	15.3	20.3	12.5	7.4	6.9	7.4	7.4	8.1
142°	8.9	10.4	11.1	13.0	16.3	10.3	7.0	6.7	7.4	7.2	8.0
143°	8.7	9.9	10.9	11.6	12.6	8.7	6.9	6.9	7.1	7.4	7.8
144°	8.4	9.9	10.4	11.4	10.2	8.2	6.8	6.7	6.5	7.2	7.7
145°	8.1	9.9	10.0	10.9	7.9	7.7	6.7	6.9	6.4	7.2	7.6
146°	7.8	9.5	9.7	10.7	7.5	7.5	6.6	6.4	6.3	7.2	7.4
147°	7.7	8.8	9.5	10.5	7.4	7.4	6.5	6.4	6.2	7.2	7.4
148°	7.6	8.8	9.3	10.3	7.3	7.3	6.5	6.4	6.2	7.2	7.6
149°	7.4	8.3	8.8	10.2	7.2	7.1	6.1	6.4	6.3	7.2	7.4
150°	7.3	8.3	9.0	10.0	7.1	7.0	5.8	6.4	6.3	7.2	7.4
151°	7.1	8.1	8.9	9.5	7.0	6.9	5.8	6.4	6.3	7.2	7.3
152°	7.1	7.6	8.7	9.5	6.8	6.8	5.9	6.4	6.4	7.2	7.2
153°	6.9	7.7	8.5	9.0	6.7	6.7	6.0	6.4	6.4	7.2	7.1
154°	6.9	7.7	8.3	8.8	6.7	6.6	6.0	6.4	6.4	7.2	7.0
155°	6.9	7.7	8.1	8.8	6.7	6.4	6.1	6.4	6.5	7.2	7.0
156°	6.9	7.8	8.1	8.6	6.6	6.5	6.2	6.4	6.5	7.2	6.9
157°	6.9	7.8	8.1	8.5	6.6	6.5	6.2	6.4	6.5	7.2	6.8
158°	6.9	7.8	8.1	8.4	6.6	6.5	6.3	6.4	6.6	7.2	6.7
159°	6.9	8.1	8.1	8.4	6.5	6.6	6.4	6.4	6.6	7.2	6.6
160°	7.0	8.1	8.1	8.3	6.5	6.6	6.4	6.4	6.7	7.2	6.5
161°	7.0	8.1	8.1	8.2	6.5	6.6	6.5	6.7	6.7	7.6	7.4
162°	7.1	8.1	8.1	8.1	6.4	6.6	6.6	7.3	7.4	7.8	8.3
163°	7.2	8.2	8.1	8.1	6.4	6.7	6.7	7.6	8.3	8.5	8.6
164°	7.2	8.2	8.1	7.7	6.4	6.7	6.8	7.8	8.8	8.8	9.0
165°	7.3	8.2	8.1	7.7	6.3	6.7	6.9	8.0	9.2	8.8	9.3
166°	7.5	8.2	8.1	7.6	6.3	6.7	6.9	8.5	9.5	9.0	9.3
167°	7.6	8.2	8.1	7.5	6.2	6.8	7.0	8.7	9.9	9.0	10.0
168°	7.8	8.3	8.1	7.5	6.2	6.8	7.1	8.7	10.6	9.0	10.4
169°	8.0	8.3	8.1	7.4	6.2	6.8	7.2	8.7	10.6	9.1	10.4
170°	8.1	8.3	8.1	7.3	6.1	6.9	7.4	8.7	10.5	9.1	10.7
171°	8.3	8.8	8.1	7.3	6.2	6.9	7.4	8.6	10.5	9.1	10.7
172°	8.5	9.5	8.1	7.4	6.3	6.9	7.5	8.6	10.5	9.1	11.1
173°	8.8	9.9	8.1	7.4	6.4	6.9	7.6	8.6	10.5	9.1	11.8
174°	9.0	11.1	8.1	7.4	6.5	7.0	7.7	8.6	10.4	9.2	11.6
175°	9.2	10.9	8.1	7.4	6.5	7.0	7.8	8.5	10.4	9.2	11.6
176°	9.4	11.1	8.1	7.4	6.5	7.2	7.9	8.5	10.4	9.2	11.4
177°	9.2	11.3	8.1	7.4	6.5	7.5	7.9	8.5	10.4	9.2	11.6



TEST NUMBER: P861212

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2



TEST NUMBER: P861212

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8
1°	2478.7	2480.2	2483.8	2482.3	2480.8	2481.0
2°	2478.9	2479.8	2483.1	2482.1	2481.0	2478.7
3°	2476.0	2480.2	2483.4	2482.3	2479.6	2477.5
4°	2474.3	2479.6	2481.3	2476.6	2473.9	2472.8
5°	2471.0	2470.8	2481.3	2475.4	2470.8	2467.8
6°	2466.3	2468.6	2475.8	2472.4	2467.8	2462.5
7°	2463.8	2465.7	2469.7	2464.7	2459.8	2453.7
8°	2455.0	2460.4	2467.4	2461.7	2452.0	2445.3
9°	2449.7	2453.7	2459.0	2454.3	2443.6	2437.5
10°	2444.5	2442.0	2451.4	2450.1	2433.8	2427.2
11°	2436.3	2435.2	2441.9	2442.0	2423.5	2415.2
12°	2427.0	2429.8	2433.1	2431.4	2414.2	2401.4
13°	2416.7	2419.2	2425.1	2422.4	2400.1	2394.0
14°	2407.3	2411.0	2413.4	2413.2	2386.7	2379.3
15°	2395.9	2396.1	2404.5	2398.9	2374.1	2366.5
16°	2382.2	2384.1	2392.8	2382.3	2359.6	2348.2
17°	2370.3	2372.2	2379.5	2367.7	2345.0	2330.8
18°	2356.2	2359.5	2366.3	2351.8	2326.6	2313.9
19°	2339.8	2348.0	2352.8	2336.4	2306.4	2294.2
20°	2326.8	2334.7	2336.6	2321.3	2286.2	2275.0
21°	2308.0	2317.3	2322.8	2306.0	2267.9	2254.4
22°	2290.0	2303.8	2304.5	2287.2	2246.7	2231.8
23°	2271.7	2285.6	2291.2	2270.0	2225.2	2209.5
24°	2255.7	2270.6	2271.1	2248.6	2203.6	2187.6
25°	2232.8	2252.1	2250.4	2227.7	2181.1	2165.3
26°	2215.3	2233.8	2232.2	2207.8	2158.4	2141.6
27°	2197.5	2214.7	2215.6	2184.5	2135.9	2116.6
28°	2179.0	2198.5	2194.3	2161.8	2108.2	2088.8
29°	2161.7	2175.4	2172.5	2139.1	2082.3	2061.5
30°	2139.5	2154.4	2150.6	2116.1	2057.3	2034.1
31°	2117.6	2135.5	2130.9	2091.5	2030.0	2005.8
32°	2096.0	2113.6	2110.3	2067.8	1999.1	1978.4
33°	2072.8	2090.3	2088.6	2043.4	1975.7	1950.5
34°	2050.3	2068.4	2066.5	2016.3	1947.5	1919.4
35°	2025.3	2046.1	2042.4	1989.0	1915.4	1888.1
36°	2001.8	2023.9	2017.8	1963.5	1888.8	1857.7
37°	1975.7	2002.0	1993.2	1932.0	1857.9	1828.3
38°	1952.0	1982.2	1967.9	1906.2	1827.3	1798.0
39°	1928.2	1959.3	1944.6	1877.6	1798.4	1763.2
40°	1904.6	1934.5	1918.5	1848.3	1767.8	1731.2
41°	1878.1	1909.5	1892.5	1818.6	1734.9	1695.7
42°	1853.9	1884.6	1868.0	1789.4	1703.5	1662.4



TEST NUMBER: P861212

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1774.1	1808.2	1788.9	1698.0	1606.1	1558.9
46°	1744.0	1780.3	1762.0	1668.2	1572.0	1524.2
47°	1717.8	1756.9	1734.4	1638.2	1537.2	1489.8
48°	1691.5	1730.0	1705.9	1605.0	1503.4	1454.5
49°	1666.4	1700.4	1675.6	1574.0	1469.9	1418.5
50°	1635.7	1676.5	1648.5	1543.5	1434.7	1381.4
51°	1610.8	1648.1	1618.6	1514.0	1400.0	1345.3
52°	1580.8	1625.1	1588.6	1482.1	1364.2	1307.8
53°	1552.0	1597.4	1561.2	1448.8	1329.1	1270.7
54°	1522.7	1569.0	1533.1	1417.2	1295.8	1233.5
55°	1495.5	1543.6	1503.5	1387.4	1258.7	1196.5
56°	1464.3	1513.0	1471.3	1353.1	1224.8	1161.9
57°	1435.0	1483.5	1440.7	1320.2	1189.4	1123.5
58°	1405.8	1457.1	1409.8	1287.2	1153.6	1085.9
59°	1376.4	1424.8	1379.0	1257.0	1119.0	1048.2
60°	1346.1	1395.8	1349.1	1223.0	1082.8	1010.1
61°	1312.7	1364.9	1316.6	1190.7	1045.1	971.3
62°	1283.3	1335.1	1288.1	1158.5	1010.2	934.5
63°	1254.6	1306.3	1256.9	1126.9	972.9	895.5
64°	1223.6	1277.0	1227.9	1092.1	936.9	855.9
65°	1189.3	1247.9	1195.2	1060.0	901.0	818.0
66°	1159.8	1214.8	1162.0	1026.6	865.1	779.0
67°	1127.2	1184.2	1131.8	994.1	828.2	740.7
68°	1096.8	1153.5	1096.8	961.3	791.4	701.5
69°	1063.5	1121.6	1066.9	928.0	756.1	663.1
70°	1031.0	1089.0	1035.9	893.8	722.2	623.6
71°	997.6	1058.3	1002.7	859.7	685.6	583.6
72°	967.2	1028.2	971.3	826.7	651.0	545.1
73°	933.3	993.7	937.2	793.1	615.5	506.2
74°	902.3	962.7	907.5	761.1	580.2	468.6
75°	870.7	926.1	873.7	727.8	546.7	430.2
76°	839.0	893.7	843.0	695.8	513.6	393.3
77°	809.0	857.5	811.1	664.0	479.8	356.4
78°	776.7	823.7	779.1	631.8	446.4	320.1
79°	746.6	790.6	748.1	600.4	414.7	284.7
80°	714.2	756.9	716.9	570.2	383.2	250.8
81°	683.8	725.8	686.3	540.7	352.8	217.5
82°	653.2	693.4	654.6	511.9	323.7	186.1
83°	626.6	664.2	625.8	484.1	295.4	156.3
84°	598.3	635.3	597.1	456.7	269.0	128.6
85°	571.5	607.7	568.6	431.5	243.7	103.4
86°	548.3	580.3	544.1	407.0	220.4	80.5
87°	525.6	556.4	519.3	383.2	197.1	60.5



TEST NUMBER: P861212

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	468.9	496.7	459.7	328.2	151.7	30.7
91°	452.4	482.9	445.3	316.1	142.3	29.3
92°	440.5	468.2	432.7	304.2	134.5	28.6
93°	425.9	455.4	418.7	293.6	126.3	27.9
94°	413.2	441.9	406.3	282.0	119.1	27.2
95°	399.2	429.6	393.6	271.1	112.0	26.5
96°	386.8	417.0	380.3	261.4	105.1	26.3
97°	373.2	405.2	368.3	251.1	98.3	25.3
98°	361.5	393.5	356.7	241.8	91.9	24.9
99°	348.2	381.1	344.9	232.4	86.4	24.4
100°	337.7	369.4	334.3	222.4	80.9	24.0
101°	324.4	358.4	322.5	212.6	76.5	23.7
102°	313.5	347.5	311.3	203.9	71.9	23.7
103°	301.8	336.1	300.1	195.0	67.0	23.3
104°	291.4	326.1	288.8	186.8	62.7	22.8
105°	280.0	316.5	278.3	178.5	58.8	22.4
106°	269.2	306.0	267.9	170.0	54.4	21.9
107°	258.4	295.4	258.5	162.0	50.5	21.2
108°	247.5	284.7	248.7	153.9	47.1	20.7
109°	238.0	273.2	239.3	146.6	43.7	20.5
110°	229.0	262.7	229.4	139.3	40.4	20.3
111°	217.7	251.8	219.3	131.9	37.0	19.8
112°	208.8	241.3	209.6	125.0	34.4	19.1
113°	199.6	231.4	200.3	118.5	31.7	18.9
114°	190.7	221.9	191.6	111.9	29.0	18.7
115°	182.0	212.1	182.1	105.6	26.6	18.2
116°	173.3	202.6	173.7	99.5	24.3	17.7
117°	164.9	193.9	165.0	93.7	22.3	17.3
118°	156.7	184.7	157.6	88.1	21.1	17.1
119°	148.2	175.9	149.3	82.6	20.2	16.6
120°	140.6	166.9	141.5	77.9	20.0	16.4
121°	132.5	158.9	134.0	72.5	19.3	16.1
122°	125.5	150.9	126.2	67.4	18.8	15.7
123°	117.9	142.6	119.3	62.3	18.8	15.2
124°	110.4	134.4	111.7	57.3	18.6	14.5
125°	104.3	127.1	105.5	52.7	17.9	13.8
126°	96.8	118.9	98.4	48.0	17.7	13.6
127°	90.4	112.3	91.6	43.5	17.5	13.1
128°	84.0	104.7	85.4	39.3	16.8	12.9
129°	77.2	98.1	78.7	35.1	16.5	12.4
130°	71.8	91.2	73.2	31.1	16.3	12.2
131°	65.9	84.3	67.1	27.5	15.6	11.8
132°	59.7	78.1	61.4	24.2	15.2	11.5



TEST NUMBER: P861212

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	43.5	59.9	45.2	16.0	14.0	10.8
136°	38.4	54.1	39.9	14.9	13.6	10.6
137°	33.0	48.7	35.4	14.2	12.9	10.1
138°	28.6	43.4	30.6	13.7	12.6	9.9
139°	23.9	38.2	26.6	13.4	12.2	9.7
140°	19.7	33.2	22.4	13.0	11.7	9.5
141°	15.9	28.6	18.7	12.6	11.5	9.2
142°	11.9	24.3	15.4	12.2	11.3	8.9
143°	9.8	20.2	13.6	11.9	11.0	8.7
144°	8.8	16.4	12.8	11.6	10.1	8.4
145°	8.1	13.6	12.4	11.4	10.3	8.1
146°	7.9	12.2	12.2	10.7	10.1	7.8
147°	7.7	11.9	11.9	10.5	9.8	7.7
148°	7.4	11.5	11.4	10.2	9.5	7.6
149°	7.0	11.2	11.2	9.8	9.2	7.4
150°	7.2	10.8	11.2	9.5	9.0	7.3
151°	7.0	10.5	10.7	9.5	8.8	7.1
152°	6.7	10.3	10.3	9.3	8.6	7.1
153°	6.7	10.1	10.3	9.3	8.4	6.9
154°	6.8	9.8	10.1	9.2	8.4	6.9
155°	6.8	9.6	10.0	9.2	8.5	6.9
156°	6.8	9.1	9.9	9.2	8.5	6.9
157°	6.8	9.1	9.7	9.2	8.5	6.9
158°	6.8	8.9	9.6	9.1	8.5	6.9
159°	6.9	9.1	9.3	9.1	8.5	6.9
160°	6.9	8.7	9.1	9.1	8.6	7.0
161°	6.9	8.9	8.9	9.0	8.6	7.0
162°	6.9	8.6	9.1	9.0	8.6	7.1
163°	7.4	8.6	9.0	9.0	8.6	7.2
164°	7.2	8.4	9.0	9.0	8.7	7.2
165°	7.4	8.2	8.9	8.9	8.7	7.3
166°	7.7	7.9	8.8	8.9	8.7	7.5
167°	8.1	7.9	8.7	8.9	8.7	7.6
168°	8.3	8.2	8.6	8.9	9.0	7.8
169°	8.3	7.7	8.4	8.8	9.4	8.0
170°	8.3	7.5	8.2	8.8	9.4	8.1
171°	8.3	7.5	8.1	8.8	9.7	8.3
172°	8.2	7.7	8.1	8.7	10.1	8.5
173°	8.2	7.2	8.0	8.7	10.1	8.8
174°	8.2	7.2	8.0	8.7	10.1	9.0
175°	8.2	7.0	7.9	8.7	10.3	9.2
176°	8.1	7.0	7.9	8.6	10.3	9.4
177°	8.1	7.0	7.9	8.6	10.3	9.2



TEST NUMBER: P861212

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	9.2	9.2	9.2	9.2	9.2	9.2



Report Generated By 670246072 / DESKTOP-50001EG





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







43°	1627.1	1656.0	1719.8	1787.6	1810.2	1784.6	1713.5	1639.8	1617.6	1662.5	1744.3
44°	1592.9	1624.0	1688.1	1759.8	1786.8	1757.0	1683.9	1604.0	1582.6	1633.6	1713.8



88°	45.4	168.0	323.2	442.3	495.7	447.0	314.8	152.3	37.5	184.0	365.0
89°	35.2	153.9	309.7	425.5	476.0	428.1	299.3	138.9	27.6	167.9	347.1



133°	11.3	13.6	18.3	48.0	59.9	45.4	13.9	9.9	8.5	10.3	17.8
134°	10.8	13.2	15.8	43.4	54.9	40.1	11.2	9.6	7.8	10.1	14.4



178°	9.2	11.3	8.1	7.4	6.8	7.2	7.9	8.5	10.4	9.2	11.4
179°	9.2	11.3	8.1	7.4	7.0	7.2	7.9	8.5	10.4	9.2	11.4





43°	1825.9	1858.9	1841.5	1758.3	1671.3	1627.1
44°	1801.9	1834.2	1814.3	1729.3	1639.0	1592.9



88°	504.6	533.5	496.6	361.3	179.7	45.4
89°	484.7	514.8	478.1	344.4	163.8	35.2



133°	54.5	72.0	55.5	20.9	14.7	11.3
134°	48.5	65.8	50.2	17.9	14.5	10.8



178°	8.1	7.0	7.9	8.6	10.3	9.2
179°	8.1	7.0	7.9	8.6	10.3	9.2



(END OF REPORT)