

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: METALUX

Report Number: P236279

Luminaire Tested: **4SWLED-44HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26870)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SWLED-44HL-LC-UNV-L850-CD1-U
Description: METALUX SWLED LINEAR LUMINAIRE
4FT FIXTURE WITH 2 ROW LED, CLEAR LENS
Light Source: (224) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

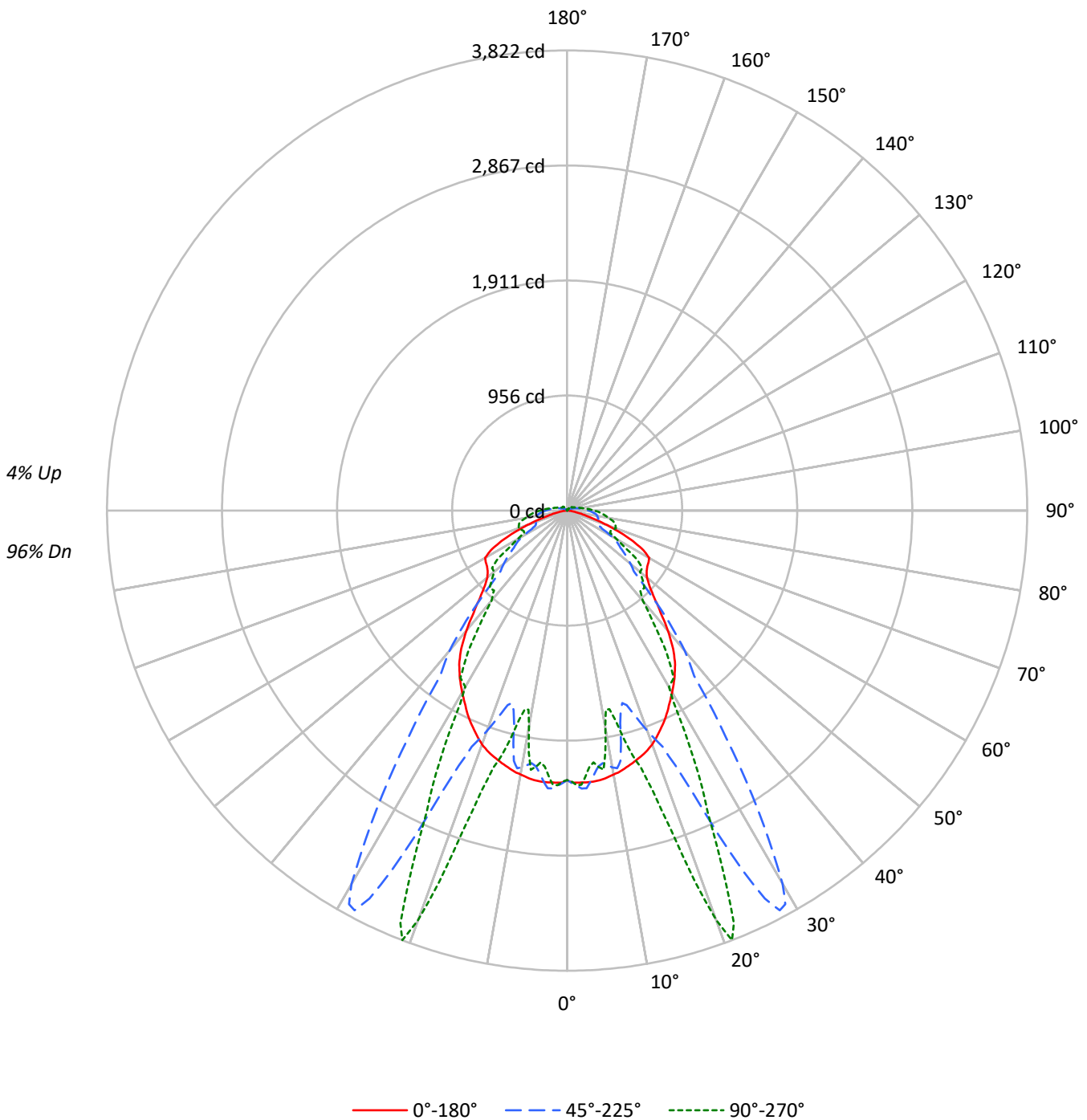
Lumens per Lamp: N/A
Luminaire Lumens: 6104.0 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 4' x H: 0.15')
CIE Type: Direct

Input Watts (W): 39.7
Input Voltage (V): 120
Input Current (A_{in}): 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				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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	108	103	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52
5	78	66	57	51	75	64	56	50	62	55	49	59	53	49	57	52	48	46
6	72	59	51	45	70	58	50	45	56	49	44	54	48	43	52	47	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	39	48	42	38	36
8	62	50	41	36	61	49	41	36	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	43	37	32	42	36	31	41	35	31	29
10	55	42	35	29	53	41	34	29	40	34	29	39	33	29	38	32	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16071	16071	16071
5°	16239	15836	14868
10°	16116	14988	12428
15°	15886	11795	14175
20°	15576	13411	24212
25°	14933	20573	18501
30°	14163	25280	11441
35°	13354	16656	9897
40°	11812	11359	6902
45°	9999	7494	6648
50°	9247	5651	6032
55°	9647	4737	5696
60°	10613	4021	4063
65°	9504	2982	3692
70°	6722	3135	4361
75°	3868	3496	4664
80°	2442	3867	4476
85°	1319	4136	4402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.6	3.4
10°-20°	589.7	9.7
20°-30°	1161.9	19.0
30°-40°	1198.8	19.6
40°-50°	1007.4	16.5
50°-60°	743.0	12.2
60°-70°	421.3	6.9
70°-80°	302.4	5.0
80°-90°	205.0	3.4
90°-100°	122.5	2.0
100°-110°	64.0	1.0
110°-120°	35.8	0.6
120°-130°	21.0	0.3
130°-140°	14.5	0.2
140°-150°	5.3	0.1
150°-160°	1.5	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	1961.2	32.1
0°-40°	3160.0	51.8
0°-60°	4910.3	80.4
0°-90°	5839.1	95.7
90°-120°	222.3	3.6
90°-150°	263.0	4.3
90°-180°	265.0	4.3
0°-180°	6104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2240	2240	2240	2240	2240	
5°	2262	2295	2256	2150	2134	215
15°	2159	2066	1716	1932	2107	609
25°	1918	1712	2963	3327	2760	880
35°	1563	1926	2302	1560	1437	967
45°	1021	2572	961	867	910	804
55°	811	1443	541	683	708	733
65°	604	579	289	354	399	585
75°	158	234	268	384	412	189
85°	23	98	223	273	291	29
90°	2	71	177	219	226	2
95°	1	57	139	161	168	1
105°	1	30	73	86	92	1
115°	2	14	40	57	64	1
125°	2	6	24	37	46	1
135°	2	3	17	36	44	1
145°	2	2	7	13	17	1
155°	2	2	3	4	5	1
165°	2	2	2	1	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5
1°	2258.5	2257.0	2247.9	2243.3	2242.6	2241.1	2241.8	2243.3	2247.1	2247.1	2264.6
2°	2260.8	2260.0	2253.9	2250.9	2250.9	2250.9	2252.4	2257.0	2260.0	2260.8	2287.3
3°	2261.5	2262.3	2258.5	2256.2	2261.5	2261.5	2263.8	2269.9	2280.5	2284.3	2311.6
4°	2263.0	2266.1	2263.8	2263.0	2273.7	2281.2	2285.8	2294.1	2301.0	2301.7	2312.3
5°	2261.5	2265.3	2265.3	2274.4	2288.8	2294.9	2298.7	2304.0	2293.4	2264.6	2256.2
6°	2260.0	2266.1	2269.9	2286.5	2299.4	2304.7	2305.5	2282.0	2253.9	2220.6	2193.3
7°	2256.2	2262.3	2274.4	2296.4	2304.7	2304.0	2291.1	2242.6	2193.3	2150.8	2138.7
8°	2247.1	2256.2	2280.5	2298.7	2292.6	2269.1	2244.9	2191.8	2145.5	2115.2	2117.5
9°	2236.5	2246.4	2280.5	2293.4	2263.8	2230.4	2200.1	2134.2	2104.6	2100.0	2141.0
10°	2225.9	2241.8	2281.2	2282.0	2217.6	2183.4	2141.7	2097.0	2096.3	2121.3	2166.0
11°	2216.8	2235.8	2276.7	2259.3	2178.1	2140.2	2097.8	2084.9	2114.5	2142.5	2180.4
12°	2203.9	2229.7	2266.8	2228.9	2127.3	2090.9	2069.0	2093.2	2128.9	2154.6	2125.8
13°	2188.7	2217.6	2247.9	2183.4	2085.6	2060.6	2069.0	2109.1	2131.9	2116.7	1988.6
14°	2172.8	2210.0	2225.1	2143.3	2047.7	2053.8	2080.3	2112.2	2116.0	1984.8	1824.1
15°	2159.2	2200.1	2200.9	2098.5	2034.8	2065.9	2086.4	2101.6	2041.7	1857.4	1715.7
16°	2143.3	2189.5	2174.3	2066.7	2047.0	2075.8	2087.2	2074.3	1900.7	1721.0	1662.6
17°	2127.3	2174.3	2141.0	2038.6	2061.4	2077.3	2076.5	1995.4	1796.0	1660.3	1688.4
18°	2109.1	2155.4	2110.7	2018.9	2067.4	2068.2	2050.8	1902.9	1691.4	1648.2	1767.2
19°	2088.7	2133.4	2078.1	2006.8	2059.9	2043.2	1997.7	1799.8	1651.2	1694.4	1856.7
20°	2066.7	2108.4	2048.5	2008.3	2040.9	2003.8	1934.8	1719.5	1649.0	1768.7	1948.4
21°	2039.4	2078.8	2020.4	2015.9	2006.0	1940.8	1854.4	1672.5	1685.3	1837.7	2031.8
22°	2009.8	2047.7	1998.5	2015.9	1953.0	1880.2	1782.4	1653.5	1747.5	1909.8	2114.5
23°	1978.0	2018.9	1978.0	2006.0	1887.8	1812.7	1724.0	1670.2	1792.2	1980.3	2300.2
24°	1949.2	1986.3	1964.3	1982.5	1829.4	1755.9	1687.6	1706.6	1833.9	2059.9	2559.5
25°	1918.1	1955.2	1952.2	1944.6	1776.3	1711.9	1680.0	1736.1	1889.3	2254.7	2962.8
26°	1884.0	1921.9	1940.8	1889.3	1736.1	1689.1	1690.7	1758.1	1963.6	2499.6	3326.0
27°	1847.6	1890.8	1918.9	1828.6	1708.1	1686.9	1712.6	1774.0	2135.7	2883.2	3615.6
28°	1811.2	1855.2	1887.8	1768.0	1691.4	1702.0	1721.7	1808.2	2355.5	3213.0	3760.4
29°	1776.3	1821.8	1852.9	1721.0	1689.1	1721.0	1720.2	1909.0	2697.5	3497.3	3737.6
30°	1745.2	1788.5	1812.7	1689.9	1701.3	1723.3	1719.5	2075.8	2989.3	3642.9	3580.7
32.5°	1657.3	1691.4	1692.2	1661.8	1721.0	1717.2	1852.9	2743.7	3477.6	3498.8	2953.0
35°	1563.3	1573.9	1589.1	1681.6	1733.9	1925.7	2378.3	3178.9	3447.3	2909.0	2301.7
37.5°	1446.5	1445.0	1547.4	1696.0	1990.9	2434.4	2796.0	3247.9	2952.2	2252.4	1733.1
40°	1299.5	1316.1	1539.8	1752.8	2407.1	2652.7	2833.2	3043.9	2288.8	1736.1	1518.6
42.5°	1149.3	1225.2	1539.8	1985.6	2488.2	2623.9	2807.4	2542.0	1812.7	1480.6	1241.8
45°	1021.2	1177.4	1551.2	2178.1	2408.6	2571.6	2600.4	2029.5	1502.6	1146.3	960.6
47.5°	926.4	1132.7	1649.7	2103.1	2325.2	2364.6	2256.2	1693.7	1121.3	842.3	752.8
50°	864.3	1079.6	1692.2	1955.2	2152.4	2103.1	1943.1	1249.4	774.1	681.6	687.6
52.5°	831.7	1068.2	1576.2	1817.3	1934.0	1827.9	1532.2	845.3	623.9	610.3	614.1
55°	811.2	1034.1	1406.3	1628.5	1660.3	1442.7	1131.1	636.1	533.7	526.1	541.3
57.5°	801.4	937.1	1238.8	1380.6	1304.0	1110.7	859.0	485.2	434.4	449.6	495.1
60°	786.2	835.5	994.7	1085.7	1038.7	879.4	651.2	385.9	377.6	405.6	426.1
62.5°	714.9	717.2	696.0	857.5	849.9	713.4	514.8	330.5	316.1	324.5	329.0
65°	603.5	556.5	481.4	705.1	701.3	579.2	410.2	262.3	255.5	274.4	288.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
67.5°	479.1	401.1	360.9	564.1	557.2	458.7	328.3	225.9	238.8	258.5	279.8
70°	352.5	294.9	284.3	444.3	439.0	367.7	275.2	209.2	230.5	250.9	272.9
72.5°	240.3	218.3	223.7	335.1	343.4	294.2	233.5	198.6	217.6	241.1	274.4
75°	158.5	160.0	172.1	246.4	263.1	233.5	197.1	185.0	205.5	233.5	267.6
77.5°	108.4	113.7	128.1	176.6	196.4	182.0	167.5	170.6	192.6	225.2	260.8
80°	71.3	76.6	91.7	125.1	145.6	144.8	144.0	158.5	183.5	218.3	253.2
82.5°	43.2	48.5	62.9	88.7	109.9	116.8	125.9	147.1	177.4	216.1	244.1
85°	22.7	28.1	41.7	63.7	85.7	97.8	110.7	138.0	174.4	207.7	222.9
87.5°	9.1	14.4	27.3	46.2	69.7	83.4	98.6	131.2	169.1	191.1	199.4
90°	1.5	6.8	17.4	34.9	57.6	71.3	87.9	125.9	156.9	166.8	177.4
92.5°	0.8	3.8	12.1	26.5	48.5	62.9	80.4	116.8	137.2	147.1	156.9
95°	0.8	2.3	9.1	21.2	41.7	56.9	73.5	102.3	117.5	127.4	138.7
97.5°	0.8	2.3	6.8	17.4	37.9	51.6	66.0	86.4	99.3	110.7	120.5
100°	0.8	1.5	6.1	15.2	33.4	44.0	54.6	70.5	81.9	94.0	103.1
102.5°	0.8	1.5	5.3	13.6	28.8	37.1	44.7	56.9	69.0	78.8	87.9
105°	0.8	1.5	4.5	12.1	23.5	29.6	35.6	47.0	57.6	66.7	72.8
107.5°	0.8	1.5	3.8	9.9	19.0	24.3	29.6	39.4	48.5	55.3	61.4
110°	0.8	0.8	3.0	8.3	15.9	20.5	24.3	32.6	40.2	47.0	52.3
112.5°	1.5	1.5	3.0	6.8	12.9	16.7	20.5	27.3	34.1	40.2	45.5
115°	1.5	1.5	2.3	5.3	10.6	13.6	16.7	22.7	28.8	34.9	40.2
117.5°	1.5	1.5	2.3	4.5	8.3	11.4	13.6	19.0	24.3	30.3	35.6
120°	1.5	1.5	1.5	3.8	7.6	9.1	11.4	15.9	21.2	26.5	31.1
122.5°	1.5	1.5	1.5	3.0	6.1	7.6	9.1	13.6	18.2	22.7	27.3
125°	1.5	1.5	1.5	2.3	4.5	6.1	7.6	11.4	15.2	19.7	23.5
127.5°	1.5	1.5	1.5	2.3	3.8	5.3	6.1	9.1	12.9	15.9	20.5
130°	1.5	1.5	1.5	1.5	3.0	3.8	5.3	7.6	10.6	14.4	18.2
132.5°	1.5	1.5	1.5	1.5	3.0	3.8	4.5	6.8	10.6	13.6	17.4
135°	1.5	1.5	1.5	1.5	2.3	3.0	4.5	6.8	9.9	13.6	17.4
137.5°	1.5	1.5	1.5	1.5	2.3	3.0	3.8	6.1	9.1	12.9	15.9
140°	1.5	1.5	1.5	1.5	1.5	2.3	3.0	5.3	7.6	9.9	12.9
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.8	5.3	7.6	9.9
145°	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.0	3.8	5.3	6.8
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.0	3.8	5.3
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	3.0	3.8
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
165°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5	2239.5
1°	2270.6	2267.6	2265.3	2262.3	2259.3	2258.5	2257.0	2256.2	2250.2	2250.9
2°	2292.6	2294.9	2293.4	2290.3	2292.6	2289.6	2288.1	2285.0	2282.8	2283.5
3°	2319.1	2318.4	2311.6	2303.2	2297.9	2297.9	2286.5	2282.0	2268.4	2280.5
4°	2295.6	2279.7	2253.9	2241.8	2230.4	2228.9	2215.3	2202.4	2195.6	2207.7
5°	2232.0	2208.5	2175.9	2163.0	2150.1	2151.6	2140.2	2131.9	2126.6	2134.2
6°	2168.3	2147.1	2124.3	2110.7	2105.4	2101.6	2100.0	2102.3	2103.8	2103.1
7°	2123.5	2119.0	2116.7	2122.8	2128.1	2128.1	2137.2	2144.8	2147.1	2145.5
8°	2131.9	2147.1	2156.9	2160.7	2161.5	2163.0	2177.4	2177.4	2172.8	2174.3
9°	2166.0	2176.6	2187.2	2173.6	2147.1	2141.7	2091.7	2062.1	2020.4	2032.6
10°	2192.5	2172.8	2090.9	2023.5	1978.0	1962.8	1887.0	1853.7	1810.4	1822.6
11°	2147.1	2040.9	1917.3	1833.2	1790.0	1764.9	1715.7	1695.2	1686.9	1684.6
12°	1978.0	1854.4	1743.7	1695.2	1675.5	1667.9	1662.6	1668.7	1682.3	1686.1
13°	1824.1	1721.7	1670.9	1674.7	1684.6	1696.7	1739.2	1764.2	1788.5	1789.2
14°	1699.7	1668.7	1709.6	1761.2	1790.7	1809.7	1868.8	1909.8	1954.5	1962.8
15°	1667.1	1718.7	1815.7	1894.6	1931.7	1971.9	2050.0	2083.4	2108.4	2106.9
16°	1723.3	1812.0	1946.9	2039.4	2077.3	2103.8	2153.9	2184.2	2213.8	2218.3
17°	1817.3	1953.0	2077.3	2148.6	2175.9	2206.2	2298.7	2362.4	2416.2	2433.6
18°	1915.8	2058.3	2156.9	2272.1	2344.2	2403.3	2532.2	2649.7	2762.7	2783.9
19°	2025.7	2150.1	2314.6	2512.5	2601.2	2733.9	2963.6	3106.9	3221.3	3258.5
20°	2097.8	2294.1	2549.6	2921.9	3047.0	3194.0	3413.9	3523.1	3601.9	3619.4
21°	2224.4	2546.6	2985.6	3353.3	3479.9	3561.7	3707.3	3776.3	3796.0	3821.8
22°	2434.4	2946.9	3398.0	3665.6	3750.5	3797.5	3813.4	3761.9	3715.6	3697.4
23°	2819.5	3341.1	3670.9	3819.5	3811.2	3753.5	3623.9	3501.8	3422.2	3388.9
24°	3238.0	3644.4	3807.4	3681.5	3609.5	3486.7	3321.4	3198.6	3113.7	3072.7
25°	3533.7	3794.5	3656.5	3418.5	3326.7	3199.3	2999.2	2881.7	2798.3	2760.4
26°	3755.1	3721.7	3401.8	3128.8	3021.2	2898.4	2722.5	2656.5	2595.1	2558.7
27°	3775.5	3504.9	3131.1	2830.1	2733.9	2646.7	2514.7	2420.0	2355.5	2321.4
28°	3611.0	3251.7	2843.0	2601.9	2523.8	2417.7	2268.4	2175.1	2129.6	2078.1
29°	3401.0	2961.3	2603.5	2352.5	2267.6	2160.7	2012.1	1889.3	1859.7	1827.9
30°	3119.0	2696.7	2365.4	2085.6	2004.5	1889.3	1775.6	1735.4	1715.7	1690.7
32.5°	2455.6	2031.8	1755.9	1649.7	1625.5	1614.8	1656.5	1663.4	1661.8	1648.2
35°	1837.7	1606.5	1596.6	1580.7	1560.3	1540.5	1501.9	1479.9	1460.9	1437.4
37.5°	1569.3	1504.9	1414.7	1336.6	1301.7	1275.2	1235.0	1213.0	1194.8	1181.2
40°	1375.3	1242.6	1152.4	1097.8	1078.8	1047.7	1022.7	1009.1	995.4	977.2
42.5°	1109.9	991.6	920.4	881.7	870.3	858.2	868.1	884.0	891.6	899.9
45°	854.4	800.6	817.3	852.9	867.3	882.5	904.5	909.0	910.5	909.8
47.5°	744.5	783.2	802.9	814.2	812.0	818.0	836.2	848.4	855.9	849.1
50°	707.3	712.7	739.9	768.0	772.5	765.0	768.8	778.6	789.2	790.7
52.5°	639.9	662.6	683.8	702.8	719.5	736.2	763.4	777.1	785.4	785.4
55°	574.7	616.4	645.9	672.5	683.1	687.6	701.3	706.6	711.9	708.1
57.5°	533.7	553.4	573.2	569.4	561.0	548.9	556.5	565.6	569.4	567.1
60°	431.4	432.1	434.4	440.5	450.3	459.4	468.5	470.8	474.6	473.8
62.5°	341.2	348.7	360.9	380.6	385.9	385.9	395.0	401.8	404.1	401.1
65°	306.3	321.5	342.7	354.1	354.1	356.3	373.0	392.7	400.3	398.8



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CATALOG NUMBER: 4SWLED-44HL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
67.5°	299.5	326.0	336.6	352.5	364.7	376.8	393.5	404.8	411.7	413.9
70°	304.0	323.7	345.0	366.9	376.8	387.4	407.1	423.0	429.1	429.9
72.5°	303.3	329.0	350.3	376.8	388.2	398.0	412.4	418.5	420.8	420.8
75°	301.0	326.8	356.3	375.3	384.4	394.2	402.6	407.1	410.9	412.4
77.5°	291.1	319.2	333.6	351.0	357.1	361.6	372.2	379.8	385.1	385.9
80°	279.0	291.9	302.5	316.9	321.5	328.3	338.9	343.4	347.2	347.2
82.5°	255.5	264.6	276.0	291.1	299.5	306.3	314.6	317.7	319.9	320.7
85°	230.5	239.6	254.0	266.9	272.9	279.0	286.6	291.1	292.6	291.1
87.5°	207.7	220.6	234.3	244.1	246.4	249.4	255.5	259.3	260.8	262.3
90°	187.3	200.1	210.8	219.1	219.1	222.1	225.2	225.9	224.4	225.9
92.5°	169.1	177.4	183.5	187.3	187.3	189.5	193.3	194.8	194.1	194.8
95°	147.1	153.1	156.2	158.5	160.7	163.8	166.8	167.5	167.5	168.3
97.5°	127.4	131.9	134.9	137.2	138.0	140.3	140.3	141.0	141.0	141.8
100°	109.9	114.5	115.2	114.5	115.2	116.0	116.8	118.3	119.0	119.8
102.5°	93.3	97.0	98.6	99.3	100.1	101.6	103.1	103.9	105.4	105.4
105°	77.3	81.9	84.9	86.4	86.4	87.9	89.5	91.0	91.7	92.5
107.5°	66.0	70.5	74.3	75.8	77.3	78.1	79.6	81.1	81.9	82.6
110°	56.9	61.4	66.0	69.0	69.7	71.3	72.8	74.3	75.1	75.8
112.5°	50.8	54.6	58.4	61.4	62.9	64.4	66.0	67.5	69.0	69.0
115°	44.7	49.3	52.3	55.3	56.9	57.6	59.9	62.2	62.9	63.7
117.5°	40.2	44.0	47.0	50.0	51.6	53.1	54.6	56.1	57.6	57.6
120°	35.6	39.4	42.5	44.7	46.2	47.0	49.3	50.8	51.6	52.3
122.5°	31.1	34.9	37.1	40.2	40.9	42.5	44.7	46.2	47.0	47.8
125°	27.3	30.3	33.4	36.4	37.1	38.7	41.7	43.2	44.7	45.5
127.5°	24.3	27.3	31.1	34.1	35.6	37.9	40.9	43.2	44.7	45.5
130°	22.0	26.5	30.3	34.1	36.4	37.9	41.7	44.7	46.2	46.2
132.5°	22.0	26.5	31.1	34.9	37.1	38.7	42.5	45.5	47.0	47.8
135°	21.2	25.0	29.6	33.4	35.6	37.1	40.2	42.5	44.0	44.0
137.5°	19.0	22.0	25.0	28.1	30.3	31.8	34.1	35.6	37.1	37.1
140°	15.2	17.4	19.7	22.0	23.5	25.0	27.3	28.1	29.6	29.6
142.5°	11.4	12.9	15.2	16.7	17.4	19.0	20.5	22.0	22.7	22.7
145°	8.3	9.9	10.6	12.1	12.9	13.6	15.2	15.9	16.7	16.7
147.5°	6.1	6.8	7.6	9.1	9.1	9.9	11.4	12.1	12.1	12.1
150°	4.5	5.3	6.1	6.1	6.8	6.8	8.3	9.1	9.1	9.1
152.5°	3.8	3.8	4.5	4.5	5.3	5.3	6.1	6.8	6.8	6.8
155°	3.0	3.0	3.0	3.0	3.8	3.8	4.5	4.5	5.3	5.3
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.8	3.8
160°	2.3	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
162.5°	2.3	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5
165°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P236279

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)