

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: P571652

Luminaire Tested: **8ST2L80SC3-5000K**

Issue Date: 3/18/2022

Test Information

Test Method: LM-79-08
Report Number: P571652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P579285)
Test Lab: INNOVATION CENTER
Issue Date: 3/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ST2L80SC3-5000K
Description: 8 FOOT ST2 STIPLIGHT WITH 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

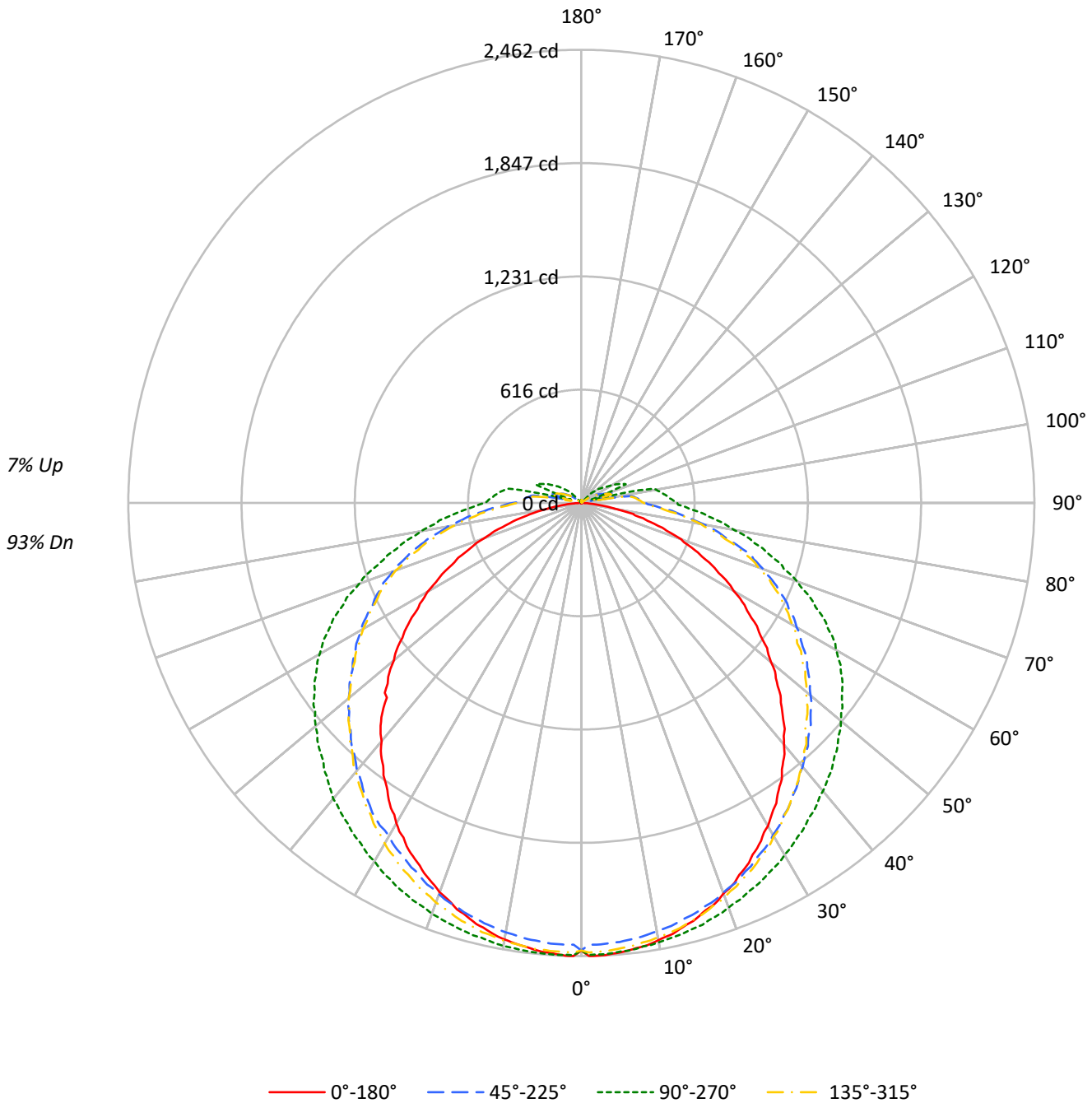
Lumens per Lamp: N/A
Luminaire Lumens: 8912.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.11')
CIE Type: Direct

Input Watts (W): 76.4
Input Voltage (V): NR
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



TEST NUMBER: P571652
CATALOG NUMBER: 8ST2L80SC3-5000K

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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	117	117	117	117	114	114	114	114	107	107	107	102	102	102	96	96	96	93
1	105	99	94	90	102	96	92	88	91	87	84	86	83	80	81	79	76	74
2	95	85	78	71	91	83	76	70	78	72	67	74	69	65	70	66	62	60
3	86	74	65	58	83	72	64	57	68	61	55	64	58	53	61	56	52	49
4	78	65	56	49	75	63	55	48	60	52	46	57	50	45	54	48	44	41
5	72	58	48	41	69	56	48	41	53	46	40	51	44	39	48	42	38	35
6	66	52	43	36	64	51	42	35	48	40	35	46	39	34	44	38	33	31
7	61	47	38	31	59	46	37	31	44	36	30	42	35	30	40	34	29	27
8	57	43	34	28	55	42	33	28	40	32	27	38	31	26	36	30	26	24
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	34	28	23	21
10	50	36	28	22	48	35	28	22	34	27	22	32	26	21	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11216	11216	11216	11216
5°	11336	10970	11322	11015
10°	11269	10655	11250	10744
15°	11191	10382	11133	10483
20°	11033	10118	10999	10271
25°	10907	9896	10810	10067
30°	10717	9685	10621	9857
35°	10482	9515	10347	9728
40°	10199	9380	10060	9630
45°	9871	9256	9625	9435
50°	9510	9156	9388	9383
55°	9186	9103	9067	9299
60°	8615	8975	8706	9213
65°	8130	8753	8064	9035
70°	7518	8333	7334	8576
75°	6322	7804	6476	8128
80°	4848	7220	4870	7567
85°	2920	6732	3062	6997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.2	2.6
10°-20°	662.4	7.4
20°-30°	1014.9	11.4
30°-40°	1250.8	14.0
40°-50°	1350.4	15.2
50°-60°	1315.6	14.8
60°-70°	1152.0	12.9
70°-80°	856.4	9.6
80°-90°	496.8	5.6
90°-100°	285.2	3.2
100°-110°	104.9	1.2
110°-120°	108.2	1.2
120°-130°	57.2	0.6
130°-140°	15.5	0.2
140°-150°	3.2	0.0
150°-160°	3.7	0.0
160°-170°	3.2	0.0
170°-180°	1.4	0.0
0°-30°	1907.5	21.4
0°-40°	3158.3	35.4
0°-60°	5824.3	65.4
0°-90°	8329.5	93.5
90°-120°	498.3	5.6
90°-150°	574.2	6.4
90°-180°	582.0	6.5
0°-180°	8912.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2431	2431	2431	2431	2431	
5°	2451	2446	2448	2456	2451	233
15°	2352	2390	2340	2413	2352	662
25°	2156	2281	2137	2320	2156	992
35°	1879	2129	1855	2177	1879	1175
45°	1534	1946	1495	1983	1534	1185
55°	1164	1732	1149	1770	1164	1034
65°	766	1441	760	1487	766	756
75°	373	1045	382	1088	373	403
85°	64	667	67	693	64	79
90°	4	521	6	524	4	4
95°	2	464	3	474	2	2
105°	2	70	2	70	2	2
115°	1	247	3	243	1	1
125°	1	149	2	157	1	1
135°	2	71	3	64	2	2
145°	5	5	5	4	5	3
155°	8	8	8	8	8	4
165°	13	11	11	11	13	3
175°	16	16	14	15	16	1
180°	16	16	16	16	16	



TEST NUMBER: P571652
 CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2431.4	2431.4	2431.4	2431.4	2431.4	2431.4	2431.4	2431.4	2431.4	2431.4	2431.4
1°	2462.0	2345.6	2400.2	2468.2	2456.0	2414.6	2442.9	2440.7	2462.0	2345.6	2400.2
2°	2461.1	2344.6	2401.4	2467.1	2453.9	2411.5	2439.8	2439.8	2461.1	2344.6	2402.4
3°	2460.1	2343.7	2399.3	2466.1	2455.1	2408.4	2438.8	2437.8	2456.0	2342.7	2400.2
4°	2455.1	2340.6	2394.2	2464.2	2452.0	2407.4	2434.7	2433.8	2449.8	2338.6	2399.3
5°	2451.0	2336.5	2394.2	2461.1	2446.0	2404.3	2428.7	2427.8	2447.9	2334.6	2395.2
6°	2444.8	2333.6	2388.2	2456.0	2446.0	2397.3	2425.6	2424.7	2439.8	2332.4	2390.2
7°	2436.9	2326.4	2384.2	2452.0	2440.7	2395.2	2419.6	2417.5	2430.7	2324.5	2388.2
8°	2432.8	2320.4	2379.1	2447.9	2432.8	2388.2	2410.5	2406.4	2425.6	2315.4	2381.1
9°	2424.7	2313.3	2370.0	2440.7	2431.6	2381.1	2406.4	2399.3	2416.5	2310.2	2372.9
10°	2411.5	2303.2	2363.8	2436.9	2423.7	2377.0	2396.4	2393.3	2407.4	2300.1	2368.9
11°	2401.4	2297.0	2355.9	2430.7	2416.5	2370.0	2389.2	2380.1	2398.3	2289.0	2359.8
12°	2393.3	2284.0	2349.7	2421.6	2411.5	2360.9	2380.1	2365.0	2383.2	2273.7	2350.6
13°	2377.0	2269.7	2338.6	2416.5	2406.4	2353.7	2372.0	2358.8	2367.9	2266.8	2343.7
14°	2361.9	2262.7	2325.5	2405.5	2396.4	2345.6	2357.8	2342.7	2357.8	2259.6	2331.5
15°	2351.8	2247.4	2319.3	2393.3	2390.2	2335.5	2345.6	2325.5	2339.6	2244.5	2322.4
16°	2332.4	2238.3	2307.2	2386.1	2384.2	2325.5	2335.5	2315.4	2321.4	2227.2	2313.3
17°	2313.3	2225.1	2291.9	2374.1	2371.0	2317.3	2321.4	2299.1	2310.2	2216.0	2298.1
18°	2302.2	2208.1	2284.0	2359.8	2362.9	2304.1	2305.1	2277.8	2285.9	2202.8	2287.9
19°	2284.0	2191.8	2271.8	2356.8	2352.8	2295.0	2295.0	2265.6	2266.8	2182.7	2277.8
20°	2258.6	2179.6	2253.6	2341.5	2339.6	2282.8	2277.8	2249.5	2251.5	2165.4	2262.7
21°	2243.5	2159.4	2239.4	2329.5	2327.4	2269.7	2259.6	2223.2	2226.3	2153.2	2245.4
22°	2224.1	2140.2	2228.2	2320.4	2319.3	2259.6	2247.4	2208.1	2205.0	2135.0	2236.3
23°	2195.8	2127.1	2210.0	2303.2	2303.2	2244.5	2227.2	2188.7	2185.8	2110.8	2217.2
24°	2177.6	2102.7	2190.8	2289.0	2291.0	2231.3	2210.0	2164.5	2157.3	2097.6	2196.8
25°	2156.3	2081.3	2178.6	2278.8	2280.9	2219.1	2195.8	2150.3	2137.1	2075.3	2184.6
26°	2124.9	2067.2	2157.3	2258.6	2267.7	2201.9	2176.7	2120.9	2115.8	2049.0	2165.4
27°	2104.8	2040.9	2139.1	2242.3	2251.5	2194.9	2153.2	2096.7	2092.6	2033.9	2145.3
28°	2079.4	2017.6	2124.9	2231.3	2240.4	2180.7	2139.1	2078.4	2059.1	2011.6	2133.1
29°	2047.1	2001.5	2107.7	2210.0	2228.2	2167.6	2118.9	2048.0	2039.9	1983.3	2113.9
30°	2027.7	1978.1	2083.5	2192.7	2208.1	2146.2	2091.6	2022.6	2009.5	1965.1	2090.5
31°	1996.5	1949.8	2067.2	2170.5	2195.8	2135.0	2077.5	2002.5	1975.2	1941.7	2074.4
32°	1968.0	1930.6	2049.0	2157.3	2178.6	2116.8	2051.1	1969.0	1953.9	1912.4	2066.2
33°	1945.7	1912.4	2022.6	2141.2	2160.4	2096.7	2024.8	1943.8	1922.5	1900.2	2047.1
34°	1907.4	1874.8	2006.6	2124.0	2149.3	2084.4	2008.5	1920.5	1883.9	1866.9	2031.7
35°	1878.9	1854.7	1984.3	2105.8	2129.0	2065.3	1983.3	1885.1	1854.7	1840.5	2005.6
36°	1853.7	1828.3	1957.9	2087.5	2108.9	2043.0	1952.9	1856.6	1829.3	1821.3	1982.2
37°	1812.0	1793.8	1940.7	2072.2	2097.6	2030.8	1936.6	1826.4	1788.8	1787.8	1966.1
38°	1781.8	1773.7	1916.5	2053.1	2079.4	2012.6	1913.4	1804.1	1763.6	1760.5	1936.6
39°	1755.5	1744.2	1888.0	2028.8	2056.2	1994.4	1887.0	1765.6	1732.2	1740.2	1914.3
40°	1712.9	1707.8	1870.9	2015.7	2043.0	1981.2	1868.8	1735.1	1689.6	1703.7	1897.1
41°	1677.6	1687.7	1845.6	1992.4	2025.7	1957.0	1837.4	1710.9	1663.3	1674.5	1867.8
42°	1652.2	1658.2	1824.3	1967.0	2005.6	1936.6	1810.1	1670.4	1629.9	1653.2	1843.4
43°	1607.7	1635.0	1805.1	1951.9	1992.4	1921.5	1792.9	1640.0	1593.5	1616.8	1825.2
44°	1570.3	1605.7	1774.7	1929.6	1968.0	1894.2	1759.5	1614.8	1548.0	1588.5	1802.0



TEST NUMBER: P571652
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1533.6	1567.2	1753.3	1902.3	1945.7	1871.9	1720.0	1567.2	1495.3	1548.9	1771.6
46°	1505.4	1544.9	1733.2	1886.1	1931.6	1845.6	1700.8	1543.9	1485.2	1524.5	1745.4
47°	1458.9	1511.6	1702.8	1863.8	1906.2	1829.3	1680.5	1518.5	1439.7	1495.3	1728.2
48°	1422.4	1474.0	1678.6	1836.5	1883.0	1807.0	1654.2	1477.1	1412.2	1472.0	1696.8
49°	1395.1	1450.7	1657.3	1814.2	1867.8	1790.9	1619.9	1443.6	1375.7	1432.5	1678.6
50°	1346.5	1417.4	1625.9	1797.9	1840.5	1762.5	1598.5	1419.3	1329.2	1401.1	1651.2
51°	1308.9	1377.9	1597.6	1772.7	1817.3	1740.2	1573.2	1384.9	1301.0	1370.7	1619.9
52°	1280.6	1346.5	1578.2	1744.2	1801.0	1721.0	1543.9	1343.4	1265.5	1345.5	1598.5
53°	1232.0	1320.1	1545.9	1726.0	1772.7	1700.8	1523.6	1321.1	1216.9	1306.0	1571.2
54°	1192.7	1280.6	1516.6	1700.8	1751.4	1671.4	1489.3	1285.7	1187.4	1282.8	1536.7
55°	1164.2	1255.4	1497.2	1670.4	1732.2	1652.2	1460.8	1245.2	1149.1	1249.2	1516.6
56°	1114.6	1224.0	1469.9	1653.2	1709.9	1629.9	1440.6	1220.0	1110.5	1209.7	1491.2
57°	1074.1	1190.5	1434.4	1626.8	1681.5	1600.5	1399.2	1187.4	1061.9	1160.1	1462.9
58°	1044.8	1150.0	1407.1	1595.4	1661.3	1575.3	1377.9	1146.0	1034.6	1152.2	1442.6
59°	1006.3	1125.8	1387.0	1575.3	1627.8	1557.1	1357.5	1121.8	996.2	1112.6	1409.3
60°	955.7	1091.3	1350.6	1548.9	1598.5	1523.6	1323.2	1089.4	965.8	1081.3	1379.8
61°	926.3	1067.1	1328.3	1526.7	1578.2	1498.4	1295.9	1047.7	918.1	1056.9	1359.7
62°	886.7	1028.6	1301.0	1488.1	1544.9	1476.1	1273.6	1023.5	878.8	1017.5	1325.2
63°	837.1	995.2	1265.5	1457.9	1504.4	1437.5	1238.2	993.1	849.4	984.0	1296.9
64°	806.9	970.8	1244.2	1415.3	1478.0	1407.1	1213.8	952.6	799.8	960.8	1260.5
65°	766.4	931.3	1213.8	1389.9	1440.6	1381.9	1191.5	930.3	760.2	927.2	1240.1
66°	717.8	899.0	1175.4	1355.6	1395.1	1347.5	1153.1	895.9	731.9	887.9	1212.8
67°	687.4	874.7	1152.2	1317.0	1366.6	1303.9	1122.7	864.7	681.4	864.7	1175.4
68°	647.9	835.2	1118.7	1288.8	1328.3	1276.6	1100.4	824.0	642.8	833.3	1161.3
69°	598.3	804.8	1078.2	1242.3	1278.7	1239.2	1058.0	799.8	612.4	792.6	1122.7
70°	578.1	780.6	1052.8	1201.8	1248.3	1191.5	1022.6	768.4	564.0	769.3	1089.4
71°	528.5	742.0	1017.5	1172.3	1208.7	1162.2	998.1	744.2	525.4	739.1	1065.0
72°	489.0	711.6	984.0	1121.8	1157.2	1121.8	961.7	705.6	496.0	700.6	1022.6
73°	459.6	689.5	965.8	1080.3	1135.9	1069.1	918.1	675.2	447.5	678.3	988.1
74°	411.1	658.1	910.2	1049.9	1085.3	1038.6	889.8	652.9	410.0	647.9	961.7
75°	372.6	621.5	871.6	998.1	1044.8	999.1	851.5	617.4	381.7	611.4	918.1
76°	345.2	591.3	821.1	958.6	1015.4	948.6	803.8	587.2	346.2	581.0	879.8
77°	298.6	566.9	791.6	928.4	964.8	919.3	774.4	564.0	299.7	558.7	851.5
78°	289.4	525.4	761.4	875.7	935.4	878.8	736.0	525.4	273.4	529.5	803.8
79°	237.9	492.1	723.8	836.2	892.9	840.2	687.4	492.1	239.8	505.1	764.3
80°	196.5	465.8	677.3	807.9	844.3	811.0	660.1	458.6	197.4	464.6	736.0
81°	165.1	421.2	635.9	768.4	805.8	763.3	620.5	433.2	174.2	433.2	688.4
82°	141.8	386.7	586.3	719.7	778.4	725.9	571.9	389.8	144.7	408.0	651.9
83°	113.3	360.4	557.8	691.5	731.0	699.6	552.7	363.5	109.3	365.4	622.7
84°	81.0	317.0	521.4	664.1	693.4	655.0	506.2	329.0	90.1	332.1	585.1
85°	63.7	292.5	495.0	625.6	667.2	616.5	461.7	288.5	66.8	305.7	536.5
86°	39.5	260.2	450.4	581.0	622.7	590.1	437.3	255.2	42.4	265.2	508.2
87°	24.2	221.6	416.2	545.6	587.2	544.6	401.8	229.8	33.3	234.8	471.8
88°	16.3	200.5	390.8	504.1	561.8	513.2	369.5	193.4	17.2	211.6	429.3
89°	7.2	174.2	361.3	484.0	525.4	489.0	351.3	168.0	9.1	177.1	404.9



TEST NUMBER: P571652
 CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	4.1	164.1	347.2	473.7	521.4	462.7	338.1	157.9	6.0	156.0	371.6
91°	3.1	156.9	339.2	465.8	506.2	455.5	329.0	151.9	5.0	149.8	337.1
92°	4.1	146.9	332.1	453.5	495.0	446.4	322.0	144.7	3.1	138.7	328.0
93°	4.1	139.7	317.9	443.5	481.8	440.4	311.7	139.7	4.1	133.7	317.9
94°	3.1	134.6	310.8	432.2	473.7	428.2	302.6	130.6	4.1	127.5	310.8
95°	1.9	92.2	302.6	425.3	463.6	421.2	297.6	86.0	3.1	104.2	305.7
96°	3.1	54.6	292.5	415.0	451.6	412.1	286.5	64.7	3.1	63.7	293.5
97°	3.1	48.6	287.5	403.0	443.5	400.8	277.4	53.7	3.1	56.8	283.4
98°	3.1	51.5	271.2	395.8	434.4	393.9	262.1	61.8	3.1	57.7	278.4
99°	1.9	73.8	189.3	383.6	421.2	384.8	182.3	73.8	3.1	71.9	257.1
100°	1.9	72.8	120.5	372.6	413.1	371.6	87.0	70.9	1.9	69.9	200.5
101°	1.9	68.8	59.7	337.1	403.0	359.4	69.9	66.8	1.9	65.9	145.7
102°	1.9	64.7	56.8	231.9	347.2	297.6	62.8	62.8	3.1	62.8	80.0
103°	1.9	59.7	51.5	130.6	283.4	188.3	58.7	58.7	3.1	59.7	72.8
104°	1.9	56.8	54.6	59.7	162.9	91.1	62.8	54.6	3.1	56.8	69.9
105°	1.9	51.5	99.2	49.6	69.9	61.8	115.5	52.7	1.9	51.5	82.0
106°	1.9	49.6	144.7	47.7	61.8	59.7	169.1	48.6	1.9	48.6	123.6
107°	1.0	45.5	176.1	45.5	58.7	55.6	166.0	44.6	1.9	43.6	158.9
108°	1.9	40.5	168.0	55.6	57.7	52.7	161.0	42.4	1.9	40.5	164.1
109°	1.0	37.4	162.9	94.2	56.8	72.8	153.8	38.6	1.9	36.4	156.9
110°	1.9	34.5	152.9	160.0	94.2	143.8	147.8	33.3	1.9	31.4	151.9
111°	1.9	27.3	142.8	236.9	156.9	194.3	135.6	30.4	1.9	20.3	142.8
112°	1.9	19.2	135.6	234.8	209.6	231.9	126.5	18.2	1.0	13.2	137.7
113°	1.9	9.1	125.5	225.7	262.1	226.7	120.5	8.1	1.9	8.1	132.7
114°	1.9	6.0	118.4	217.6	253.0	215.6	112.4	7.2	1.9	7.2	127.5
115°	1.0	6.0	113.3	210.6	247.0	206.5	106.4	6.0	3.1	6.0	119.5
116°	1.0	5.0	108.3	198.4	236.9	194.3	104.2	5.0	1.9	5.0	114.3
117°	1.0	3.1	101.3	187.3	223.8	186.2	99.2	4.1	1.9	3.1	109.3
118°	1.9	3.1	98.2	178.2	216.6	176.1	94.2	3.1	1.9	3.1	100.2
119°	1.0	3.1	92.2	166.0	203.4	168.0	89.1	3.1	1.9	3.1	97.3
120°	1.0	3.1	84.1	158.9	190.3	158.9	85.1	3.1	1.9	3.1	89.1
121°	1.9	3.1	79.0	148.8	181.1	147.8	77.9	3.1	1.9	3.1	82.9
122°	1.9	1.9	75.0	143.8	171.1	141.8	72.8	3.1	1.9	3.1	77.9
123°	1.0	1.9	66.8	136.6	161.0	136.6	67.8	1.0	1.9	3.1	70.9
124°	1.0	1.9	61.8	128.6	156.0	128.6	59.7	3.1	3.1	3.1	63.7
125°	1.0	1.9	57.7	123.6	148.8	122.4	54.6	1.9	1.9	1.9	60.8
126°	1.9	1.0	42.4	116.4	138.7	117.4	41.5	3.1	1.9	1.9	46.5
127°	1.9	3.1	25.4	109.3	134.6	110.4	20.3	1.9	1.9	1.9	30.4
128°	1.0	1.9	14.1	104.2	125.5	103.3	14.1	1.9	1.9	1.9	19.2
129°	1.9	1.9	8.1	95.1	121.5	99.2	9.1	1.9	1.9	3.1	10.1
130°	1.9	1.9	7.2	87.0	112.4	91.1	7.2	1.9	1.9	3.1	10.1
131°	1.9	3.1	7.2	82.0	104.2	82.9	7.2	3.1	3.1	1.9	8.1
132°	1.9	1.9	5.0	72.8	93.2	77.9	6.0	3.1	3.1	3.1	6.0
133°	1.9	1.9	4.1	65.9	91.1	70.9	5.0	4.1	3.1	3.1	5.0
134°	1.9	3.1	3.1	48.6	81.0	51.5	4.1	1.9	1.9	3.1	5.0



TEST NUMBER: P571652
 CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.9	1.9	3.1	37.4	70.9	37.4	3.1	3.1	3.1	3.1	4.1
136°	3.1	1.9	4.1	13.2	56.8	18.2	3.1	3.1	1.9	3.1	4.1
137°	1.9	1.9	3.1	9.1	28.3	11.0	3.1	3.1	3.1	3.1	4.1
138°	3.1	3.1	3.1	8.1	15.1	10.1	3.1	3.1	3.1	3.1	4.1
139°	3.1	3.1	3.1	8.1	11.0	8.1	4.1	3.1	3.1	4.1	3.1
140°	3.1	3.1	4.1	6.0	9.1	7.2	5.0	4.1	4.1	3.1	4.1
141°	3.1	4.1	4.1	5.0	8.1	6.0	4.1	4.1	4.1	5.0	5.0
142°	4.1	4.1	4.1	5.0	8.1	6.0	4.1	4.1	3.1	5.0	5.0
143°	4.1	4.1	4.1	4.1	6.0	5.0	4.1	4.1	4.1	4.1	5.0
144°	4.1	5.0	5.0	5.0	5.0	5.0	4.1	4.1	5.0	5.0	5.0
145°	5.0	4.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
146°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	5.0
147°	5.0	5.0	5.0	5.0	6.0	5.0	6.0	5.0	5.0	5.0	5.0
148°	6.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	6.0	5.0	5.0
149°	6.0	6.0	7.2	7.2	7.2	6.0	5.0	5.0	6.0	6.0	6.0
150°	7.2	7.2	6.0	6.0	6.0	6.0	6.0	7.2	6.0	6.0	6.0
151°	7.2	7.2	6.0	7.2	7.2	6.0	7.2	7.2	7.2	6.0	6.0
152°	6.0	7.2	7.2	7.2	7.2	6.0	7.2	7.2	7.2	7.2	7.2
153°	8.1	8.1	7.2	7.2	8.1	7.2	7.2	6.0	7.2	7.2	7.2
154°	8.1	8.1	8.1	7.2	8.1	7.2	6.0	7.2	7.2	7.2	8.1
155°	8.1	9.1	9.1	7.2	8.1	7.2	7.2	8.1	8.1	8.1	7.2
156°	8.1	8.1	9.1	9.1	8.1	8.1	7.2	8.1	8.1	8.1	7.2
157°	9.1	9.1	9.1	9.1	9.1	7.2	8.1	9.1	8.1	8.1	8.1
158°	9.1	10.1	9.1	9.1	10.1	8.1	9.1	8.1	9.1	9.1	8.1
159°	10.1	10.1	9.1	10.1	10.1	9.1	9.1	9.1	9.1	9.1	9.1
160°	10.1	10.1	11.0	9.1	10.1	8.1	9.1	9.1	10.1	9.1	9.1
161°	10.1	11.0	10.1	11.0	10.1	9.1	10.1	9.1	10.1	10.1	9.1
162°	11.0	11.0	11.0	11.0	11.0	9.1	10.1	9.1	10.1	9.1	9.1
163°	11.0	11.0	12.2	11.0	11.0	10.1	10.1	11.0	10.1	10.1	10.1
164°	12.2	12.2	13.2	12.2	12.2	11.0	11.0	10.1	11.0	11.0	9.1
165°	13.2	12.2	13.2	13.2	11.0	10.1	11.0	11.0	11.0	11.0	11.0
166°	12.2	13.2	13.2	13.2	12.2	11.0	11.0	12.2	11.0	11.0	10.1
167°	13.2	13.2	14.1	13.2	13.2	11.0	13.2	12.2	11.0	12.2	12.2
168°	13.2	13.2	14.1	14.1	13.2	11.0	13.2	12.2	12.2	12.2	12.2
169°	14.1	15.1	15.1	15.1	14.1	12.2	12.2	13.2	13.2	12.2	12.2
170°	14.1	14.1	16.3	15.1	14.1	13.2	14.1	13.2	14.1	13.2	12.2
171°	15.1	15.1	16.3	15.1	15.1	14.1	13.2	13.2	13.2	14.1	13.2
172°	15.1	14.1	15.1	15.1	14.1	15.1	14.1	14.1	13.2	13.2	13.2
173°	16.3	16.3	16.3	16.3	14.1	15.1	14.1	15.1	14.1	14.1	14.1
174°	15.1	16.3	16.3	16.3	15.1	15.1	15.1	14.1	14.1	14.1	14.1
175°	16.3	16.3	16.3	16.3	16.3	15.1	15.1	15.1	14.1	15.1	15.1
176°	15.1	16.3	15.1	15.1	15.1	15.1	15.1	15.1	14.1	15.1	14.1
177°	16.3	16.3	16.3	16.3	16.3	15.1	14.1	14.1	15.1	15.1	14.1
178°	15.1	15.1	16.3	16.3	16.3	14.1	15.1	15.1	15.1	15.1	14.1
179°	16.3	16.3	15.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3	15.1



TEST NUMBER: P571652
CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9



TEST NUMBER: P571652
 CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2431.4	2431.4	2431.4	2431.4	2431.4	2431.4
1°	2469.2	2458.0	2414.6	2441.9	2442.9	2462.0
2°	2471.2	2456.0	2414.6	2441.9	2442.9	2461.1
3°	2469.2	2459.1	2415.5	2439.8	2441.9	2460.1
4°	2469.2	2458.0	2413.4	2439.8	2440.7	2455.1
5°	2468.2	2456.0	2411.5	2435.7	2435.7	2451.0
6°	2464.2	2455.1	2411.5	2435.7	2430.7	2444.8
7°	2460.1	2452.9	2407.4	2430.7	2426.6	2436.9
8°	2455.1	2448.9	2404.3	2424.7	2418.6	2432.8
9°	2452.9	2446.0	2399.3	2420.6	2409.3	2424.7
10°	2446.0	2443.8	2397.3	2415.5	2405.5	2411.5
11°	2438.8	2438.8	2391.1	2406.4	2395.2	2401.4
12°	2434.7	2430.7	2383.2	2398.3	2382.0	2393.3
13°	2427.8	2423.7	2380.1	2393.3	2372.9	2377.0
14°	2418.6	2421.6	2371.0	2382.0	2362.9	2361.9
15°	2412.4	2413.4	2361.9	2368.9	2347.7	2351.8
16°	2404.3	2407.4	2356.8	2361.9	2335.5	2332.4
17°	2396.4	2398.3	2348.7	2348.7	2322.4	2313.3
18°	2387.3	2391.1	2336.5	2333.6	2306.1	2302.2
19°	2375.1	2382.0	2333.6	2321.4	2295.0	2284.0
20°	2362.9	2375.1	2320.4	2310.2	2273.7	2258.6
21°	2349.7	2360.9	2309.2	2291.9	2254.6	2243.5
22°	2342.7	2352.8	2302.2	2278.8	2240.4	2224.1
23°	2326.4	2344.6	2285.9	2266.8	2216.0	2195.8
24°	2309.2	2330.5	2271.8	2246.4	2196.8	2177.6
25°	2299.1	2320.4	2264.6	2227.2	2179.6	2156.3
26°	2285.0	2308.2	2247.4	2214.1	2150.3	2124.9
27°	2265.6	2291.9	2231.3	2194.9	2130.0	2104.8
28°	2255.5	2282.8	2220.1	2172.6	2111.8	2079.4
29°	2241.4	2266.8	2204.0	2158.5	2081.3	2047.1
30°	2223.2	2247.4	2186.7	2137.1	2057.1	2027.7
31°	2213.1	2239.4	2167.6	2111.8	2037.0	1996.5
32°	2191.8	2222.2	2154.4	2094.5	2009.5	1968.0
33°	2173.6	2202.8	2140.2	2074.4	1991.3	1945.7
34°	2160.4	2191.8	2120.9	2044.9	1954.8	1907.4
35°	2137.1	2176.7	2109.8	2027.7	1925.6	1878.9
36°	2118.0	2156.3	2086.6	2005.6	1889.2	1853.7
37°	2103.6	2143.1	2067.2	1976.1	1866.9	1812.0
38°	2080.4	2129.0	2056.2	1957.0	1835.5	1781.8
39°	2061.2	2109.8	2043.0	1932.6	1796.0	1755.5
40°	2044.9	2097.6	2013.5	1905.2	1772.7	1712.9
41°	2020.7	2073.4	1999.4	1887.0	1741.3	1677.6
42°	2001.5	2053.1	1974.2	1855.6	1701.8	1652.2
43°	1985.3	2028.8	1957.0	1828.3	1676.4	1607.7
44°	1957.0	2013.5	1937.6	1810.1	1646.2	1570.3



TEST NUMBER: P571652
 CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1936.6	1983.3	1911.4	1776.8	1606.7	1533.6
46°	1920.5	1966.1	1891.1	1751.4	1580.3	1505.4
47°	1896.1	1949.8	1873.9	1731.1	1548.0	1458.9
48°	1867.8	1929.6	1851.6	1697.7	1511.6	1422.4
49°	1851.6	1902.3	1822.3	1672.4	1469.9	1395.1
50°	1824.3	1886.1	1806.0	1651.2	1445.7	1346.5
51°	1797.9	1863.8	1781.8	1615.8	1411.2	1308.9
52°	1780.7	1835.5	1752.4	1588.5	1368.8	1280.6
53°	1753.3	1823.3	1736.3	1567.2	1341.5	1232.0
54°	1724.1	1795.0	1710.9	1537.7	1308.9	1192.7
55°	1704.9	1769.6	1680.5	1503.4	1266.5	1164.2
56°	1681.5	1751.4	1663.3	1482.1	1240.1	1114.6
57°	1649.1	1720.0	1639.0	1453.8	1206.8	1074.1
58°	1629.0	1695.8	1607.7	1418.4	1165.2	1044.8
59°	1605.7	1674.5	1595.4	1397.1	1139.0	1006.3
60°	1577.2	1641.0	1564.1	1369.7	1105.5	955.7
61°	1559.0	1612.7	1535.8	1334.3	1081.3	926.3
62°	1519.5	1587.3	1516.6	1306.0	1040.8	886.7
63°	1488.1	1548.0	1480.2	1285.7	1004.3	837.1
64°	1448.8	1513.5	1448.8	1249.2	973.0	806.9
65°	1422.4	1487.1	1424.4	1220.9	947.6	766.4
66°	1388.0	1443.6	1383.9	1198.7	907.1	717.8
67°	1343.4	1402.1	1348.4	1168.3	875.7	687.4
68°	1315.1	1375.7	1322.1	1128.7	850.3	647.9
69°	1278.7	1327.3	1274.6	1104.5	809.8	598.3
70°	1229.1	1284.7	1236.1	1072.2	778.4	578.1
71°	1197.7	1253.3	1206.8	1028.6	753.3	528.5
72°	1158.2	1210.9	1168.3	1002.2	714.7	489.0
73°	1116.7	1159.1	1115.6	967.7	681.4	459.6
74°	1086.3	1118.7	1084.2	921.2	659.1	411.1
75°	1034.6	1088.2	1043.7	892.9	620.5	372.6
76°	995.2	1036.7	992.1	855.4	589.2	345.2
77°	964.8	1005.3	961.7	805.8	566.9	298.6
78°	913.1	964.8	921.2	776.5	536.5	289.4
79°	871.6	916.2	871.6	737.0	497.1	237.9
80°	841.2	884.8	842.4	697.5	470.8	196.5
81°	791.6	845.3	802.9	668.2	438.4	165.1
82°	752.1	796.7	753.3	618.6	394.8	141.8
83°	723.8	777.5	724.8	580.1	366.6	113.3
84°	676.3	730.0	688.4	551.8	333.0	81.0
85°	639.7	693.4	652.9	503.1	306.7	63.7
86°	612.4	657.0	608.3	475.8	265.2	39.5
87°	577.0	621.5	583.2	441.3	232.9	24.2
88°	533.6	585.1	548.7	401.8	196.5	16.3
89°	508.2	558.7	522.3	378.6	177.1	7.2



TEST NUMBER: P571652
 CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	475.8	523.5	479.9	347.2	156.9	4.1
91°	457.6	511.3	461.7	331.1	150.9	3.1
92°	450.4	504.1	449.5	322.0	140.7	4.1
93°	435.3	490.0	442.5	315.8	134.6	4.1
94°	427.2	480.9	431.3	304.8	119.5	3.1
95°	421.2	473.7	419.1	295.6	87.0	1.9
96°	413.1	461.7	412.1	289.4	52.7	3.1
97°	403.9	450.4	403.0	281.5	47.7	3.1
98°	396.8	442.5	389.8	249.0	57.7	3.1
99°	384.8	429.3	383.6	199.4	69.9	1.9
100°	366.6	418.1	372.6	114.3	65.9	1.9
101°	329.0	403.0	329.0	63.7	64.7	1.9
102°	205.6	339.2	270.3	59.7	61.8	1.9
103°	134.6	222.8	151.9	55.6	57.7	1.9
104°	81.0	146.9	64.7	82.0	54.6	1.9
105°	66.8	69.9	56.8	119.5	50.6	1.9
106°	66.8	63.7	52.7	171.1	50.6	1.9
107°	63.7	61.8	49.6	168.0	44.6	1.0
108°	61.8	59.7	56.8	166.0	38.6	1.9
109°	81.0	80.0	115.5	153.8	35.5	1.0
110°	132.7	122.4	181.1	146.9	30.4	1.9
111°	195.3	190.3	225.7	142.8	17.2	1.9
112°	232.9	265.2	227.8	135.6	11.0	1.9
113°	225.7	265.2	218.7	128.6	8.1	1.9
114°	218.7	255.2	211.6	123.6	5.0	1.9
115°	209.6	242.9	204.6	115.5	5.0	1.0
116°	203.4	236.9	194.3	109.3	4.1	1.0
117°	193.4	225.7	188.3	104.2	4.1	1.0
118°	186.2	217.6	181.1	95.1	3.1	1.9
119°	179.2	211.6	172.0	90.1	3.1	1.0
120°	171.1	200.5	165.1	86.0	3.1	1.0
121°	162.9	190.3	157.9	77.9	3.1	1.9
122°	156.0	182.3	147.8	71.9	3.1	1.9
123°	147.8	172.0	141.8	66.8	1.9	1.0
124°	137.7	162.9	133.7	60.8	1.9	1.0
125°	132.7	156.9	127.5	46.5	3.1	1.0
126°	122.4	146.9	121.5	35.5	1.9	1.9
127°	114.3	136.6	111.4	18.2	1.9	1.9
128°	108.3	131.5	103.3	10.1	1.9	1.0
129°	101.3	118.4	97.3	8.1	1.9	1.9
130°	92.2	111.4	88.2	7.2	1.9	1.9
131°	86.0	105.2	80.0	6.0	1.0	1.9
132°	77.9	96.1	73.8	5.0	3.1	1.9
133°	63.7	86.0	54.6	5.0	3.1	1.9
134°	51.5	80.0	35.5	4.1	1.9	1.9



TEST NUMBER: P571652
 CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	30.4	63.7	23.2	3.1	1.9	1.9
136°	15.1	37.4	11.0	3.1	3.1	3.1
137°	11.0	23.2	9.1	3.1	3.1	1.9
138°	10.1	14.1	10.1	3.1	4.1	3.1
139°	8.1	11.0	9.1	3.1	4.1	3.1
140°	7.2	9.1	6.0	4.1	3.1	3.1
141°	6.0	8.1	5.0	3.1	4.1	3.1
142°	5.0	7.2	5.0	4.1	4.1	4.1
143°	4.1	6.0	5.0	4.1	4.1	4.1
144°	5.0	5.0	5.0	5.0	5.0	4.1
145°	5.0	4.1	4.1	5.0	4.1	5.0
146°	5.0	6.0	5.0	5.0	6.0	5.0
147°	5.0	5.0	6.0	6.0	6.0	5.0
148°	5.0	6.0	7.2	6.0	5.0	6.0
149°	5.0	6.0	6.0	6.0	6.0	6.0
150°	6.0	7.2	6.0	7.2	7.2	7.2
151°	7.2	6.0	7.2	7.2	7.2	7.2
152°	7.2	7.2	7.2	8.1	7.2	6.0
153°	7.2	6.0	7.2	8.1	8.1	8.1
154°	7.2	8.1	8.1	7.2	7.2	8.1
155°	7.2	8.1	8.1	8.1	8.1	8.1
156°	7.2	9.1	8.1	9.1	9.1	8.1
157°	8.1	9.1	10.1	9.1	9.1	9.1
158°	9.1	8.1	8.1	9.1	10.1	9.1
159°	9.1	9.1	8.1	9.1	10.1	10.1
160°	8.1	9.1	10.1	10.1	10.1	10.1
161°	10.1	10.1	10.1	10.1	10.1	10.1
162°	9.1	9.1	10.1	11.0	11.0	11.0
163°	10.1	11.0	11.0	11.0	11.0	11.0
164°	10.1	10.1	11.0	11.0	12.2	12.2
165°	9.1	11.0	12.2	12.2	12.2	13.2
166°	11.0	11.0	12.2	12.2	13.2	12.2
167°	11.0	12.2	12.2	13.2	13.2	13.2
168°	12.2	12.2	13.2	13.2	14.1	13.2
169°	13.2	13.2	14.1	14.1	14.1	14.1
170°	13.2	13.2	13.2	13.2	14.1	14.1
171°	13.2	14.1	14.1	13.2	14.1	15.1
172°	13.2	15.1	14.1	14.1	14.1	15.1
173°	14.1	15.1	14.1	15.1	14.1	16.3
174°	14.1	15.1	15.1	15.1	15.1	15.1
175°	15.1	15.1	15.1	15.1	15.1	16.3
176°	15.1	15.1	14.1	15.1	16.3	15.1
177°	14.1	15.1	16.3	15.1	15.1	16.3
178°	15.1	16.3	16.3	16.3	15.1	15.1
179°	16.3	16.3	15.1	15.1	16.3	16.3



TEST NUMBER: P571652
CATALOG NUMBER: 8ST2L80SC3-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	15.9	15.9	15.9	15.9	15.9	15.9

(END OF REPORT)