

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: P571651

Luminaire Tested: **8ST2L80SC3-4000K**

Issue Date: 3/18/2022

Test Information

Test Method: LM-79-08
Report Number: P571651
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: 8ST2L80SC3-4000K
Description: 8 FOOT ST2 STIPLIGHT WITH 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

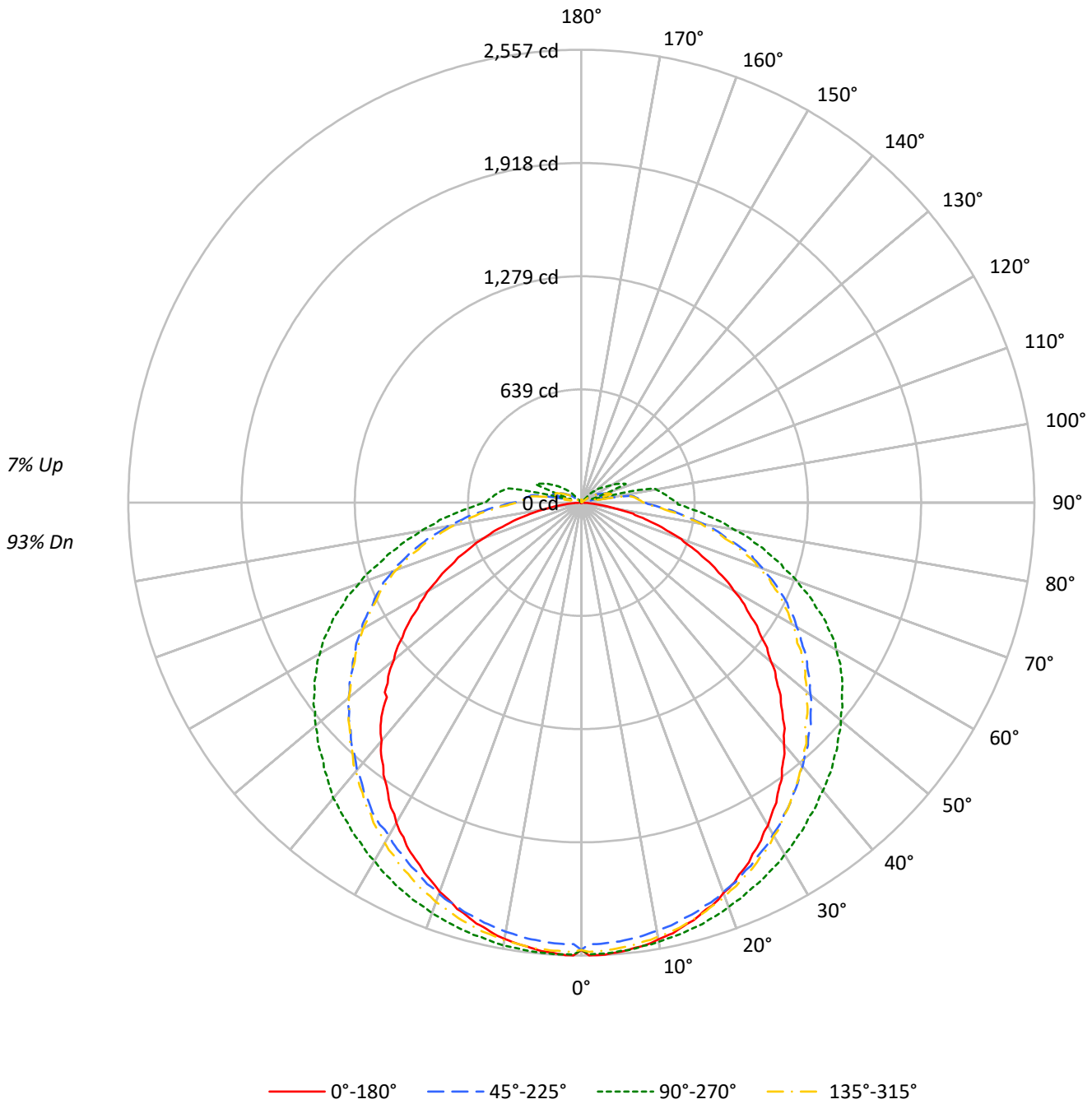
Lumens per Lamp: N/A
Luminaire Lumens: 9255.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.11')
CIE Type: Direct

Input Watts (W): 73.6
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: P571651
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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	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°	11648	11648	11648	11648
5°	11773	11392	11758	11439
10°	11703	11066	11683	11157
15°	11622	10782	11561	10886
20°	11458	10507	11422	10666
25°	11327	10277	11226	10455
30°	11130	10057	11030	10237
35°	10885	9881	10745	10102
40°	10592	9740	10447	10001
45°	10252	9612	9995	9798
50°	9876	9509	9749	9743
55°	9539	9453	9415	9657
60°	8947	9320	9042	9567
65°	8443	9090	8375	9384
70°	7808	8653	7616	8906
75°	6564	8105	6725	8441
80°	5033	7498	5058	7858
85°	3034	6992	3181	7266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.1	2.6
10°-20°	687.9	7.4
20°-30°	1054.0	11.4
30°-40°	1299.0	14.0
40°-50°	1402.4	15.2
50°-60°	1366.3	14.8
60°-70°	1196.4	12.9
70°-80°	889.4	9.6
80°-90°	515.9	5.6
90°-100°	296.1	3.2
100°-110°	109.0	1.2
110°-120°	112.4	1.2
120°-130°	59.4	0.6
130°-140°	16.0	0.2
140°-150°	3.4	0.0
150°-160°	3.8	0.0
160°-170°	3.4	0.0
170°-180°	1.5	0.0
0°-30°	1980.9	21.4
0°-40°	3279.9	35.4
0°-60°	6048.5	65.4
0°-90°	8650.1	93.5
90°-120°	517.5	5.6
90°-150°	596.3	6.4
90°-180°	605.0	6.5
0°-180°	9255.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2525	2525	2525	2525	2525	
5°	2545	2540	2542	2551	2545	242
15°	2442	2482	2430	2506	2442	688
25°	2239	2369	2219	2410	2239	1030
35°	1951	2211	1926	2260	1951	1220
45°	1593	2021	1553	2060	1593	1231
55°	1209	1799	1193	1838	1209	1074
65°	796	1496	790	1544	796	785
75°	387	1085	396	1130	387	418
85°	66	693	69	720	66	82
90°	4	541	6	544	4	4
95°	2	482	3	492	2	2
105°	2	73	2	73	2	2
115°	1	256	3	252	1	2
125°	1	154	2	163	1	1
135°	2	74	3	66	2	2
145°	5	5	5	4	5	3
155°	8	8	8	8	8	4
165°	14	12	12	12	14	4
175°	17	17	15	16	17	2
180°	16	16	16	16	16	



TEST NUMBER: P571651
 CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2525.0	2525.0	2525.0	2525.0	2525.0	2525.0	2525.0	2525.0	2525.0	2525.0	2525.0
1°	2556.8	2435.9	2492.6	2563.2	2550.6	2507.5	2536.9	2534.7	2556.8	2435.9	2492.6
2°	2555.8	2434.9	2493.8	2562.0	2548.4	2504.3	2533.7	2533.7	2555.8	2434.9	2494.8
3°	2554.8	2433.9	2491.6	2561.0	2549.6	2501.1	2532.7	2531.7	2550.6	2432.9	2492.6
4°	2549.6	2430.7	2486.4	2559.0	2546.3	2500.1	2528.4	2527.4	2544.1	2428.6	2491.6
5°	2545.3	2426.4	2486.4	2555.8	2540.1	2496.8	2522.2	2521.2	2542.1	2424.4	2487.4
6°	2538.9	2423.4	2480.1	2550.6	2540.1	2489.6	2519.0	2518.0	2533.7	2422.2	2482.2
7°	2530.6	2416.0	2475.9	2546.3	2534.7	2487.4	2512.7	2510.5	2524.2	2414.0	2480.1
8°	2526.4	2409.7	2470.7	2542.1	2526.4	2480.1	2503.3	2499.1	2519.0	2404.5	2472.7
9°	2518.0	2402.3	2461.2	2534.7	2525.2	2472.7	2499.1	2491.6	2509.5	2399.1	2464.3
10°	2504.3	2391.8	2454.8	2530.6	2517.0	2468.5	2488.6	2485.4	2500.1	2388.6	2460.0
11°	2493.8	2385.4	2446.5	2524.2	2509.5	2461.2	2481.2	2471.7	2490.6	2377.1	2450.6
12°	2485.4	2371.9	2440.1	2514.8	2504.3	2451.8	2471.7	2456.0	2474.9	2361.2	2441.1
13°	2468.5	2357.0	2428.6	2509.5	2499.1	2444.3	2463.2	2449.6	2459.0	2354.0	2433.9
14°	2452.8	2349.8	2415.0	2498.1	2488.6	2435.9	2448.6	2432.9	2448.6	2346.6	2421.2
15°	2442.3	2333.9	2408.5	2485.4	2482.2	2425.4	2435.9	2415.0	2429.6	2330.9	2411.7
16°	2422.2	2324.4	2396.0	2477.9	2475.9	2415.0	2425.4	2404.5	2410.7	2313.0	2402.3
17°	2402.3	2310.7	2380.2	2465.5	2462.2	2406.5	2410.7	2387.6	2399.1	2301.3	2386.6
18°	2390.8	2293.0	2371.9	2450.6	2453.8	2392.8	2393.8	2365.5	2373.9	2287.6	2375.9
19°	2371.9	2276.1	2359.2	2447.6	2443.3	2383.4	2383.4	2352.8	2354.0	2266.7	2365.5
20°	2345.5	2263.5	2340.3	2431.7	2429.6	2370.7	2365.5	2336.1	2338.1	2248.8	2349.8
21°	2329.9	2242.5	2325.6	2419.2	2417.0	2357.0	2346.6	2308.7	2311.9	2236.1	2331.9
22°	2309.7	2222.6	2314.0	2409.7	2408.5	2346.6	2333.9	2293.0	2289.8	2217.2	2322.4
23°	2280.4	2208.9	2295.0	2391.8	2391.8	2330.9	2313.0	2272.9	2269.9	2192.0	2302.5
24°	2261.4	2183.6	2275.1	2377.1	2379.1	2317.2	2295.0	2247.8	2240.3	2178.4	2281.4
25°	2239.3	2161.5	2262.5	2366.5	2368.7	2304.5	2280.4	2233.1	2219.4	2155.2	2268.7
26°	2206.7	2146.8	2240.3	2345.5	2355.0	2286.6	2260.4	2202.5	2197.3	2127.9	2248.8
27°	2185.8	2119.4	2221.4	2328.6	2338.1	2279.4	2236.1	2177.3	2173.1	2112.2	2227.8
28°	2159.4	2095.3	2206.7	2317.2	2326.6	2264.7	2221.4	2158.4	2138.3	2089.0	2215.2
29°	2125.8	2078.6	2188.8	2295.0	2314.0	2251.0	2200.5	2126.8	2118.4	2059.6	2195.3
30°	2105.7	2054.2	2163.7	2277.1	2293.0	2228.9	2172.1	2100.5	2086.8	2040.7	2170.9
31°	2073.3	2024.8	2146.8	2254.0	2280.4	2217.2	2157.4	2079.6	2051.2	2016.4	2154.2
32°	2043.8	2004.9	2127.9	2240.3	2262.5	2198.3	2130.1	2044.8	2029.1	1986.0	2145.8
33°	2020.6	1986.0	2100.5	2223.6	2243.5	2177.3	2102.7	2018.6	1996.5	1973.3	2125.8
34°	1980.8	1947.0	2083.8	2205.7	2232.1	2164.7	2085.8	1994.5	1956.4	1938.7	2109.9
35°	1951.2	1926.1	2060.7	2186.8	2210.9	2144.8	2059.6	1957.6	1926.1	1911.4	2082.8
36°	1925.0	1898.7	2033.3	2167.9	2190.0	2121.6	2028.1	1928.1	1899.7	1891.4	2058.4
37°	1881.8	1862.9	2015.4	2152.0	2178.4	2108.9	2011.2	1896.7	1857.6	1856.6	2041.7
38°	1850.4	1842.0	1990.2	2132.1	2159.4	2090.0	1987.0	1873.5	1831.5	1828.3	2011.2
39°	1823.0	1811.4	1960.7	2106.9	2135.3	2071.1	1959.7	1833.5	1798.9	1807.1	1988.0
40°	1778.8	1773.5	1943.0	2093.2	2121.6	2057.4	1940.7	1801.9	1754.6	1769.3	1970.1
41°	1742.2	1752.6	1916.6	2069.1	2103.7	2032.3	1908.1	1776.8	1727.3	1738.9	1939.7
42°	1715.8	1722.0	1894.5	2042.7	2082.8	2011.2	1879.8	1734.7	1692.7	1716.8	1914.4
43°	1669.5	1697.9	1874.5	2027.1	2069.1	1995.5	1861.9	1703.1	1654.8	1679.0	1895.5
44°	1630.7	1667.5	1843.0	2003.9	2043.8	1967.1	1827.3	1677.0	1607.6	1649.6	1871.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1592.7	1627.5	1820.8	1975.5	2020.6	1944.0	1786.2	1627.5	1552.8	1608.6	1839.7
46°	1563.3	1604.3	1799.9	1958.6	2005.9	1916.6	1766.3	1603.3	1542.4	1583.2	1812.6
47°	1515.0	1569.7	1768.3	1935.5	1979.6	1899.7	1745.2	1577.0	1495.1	1552.8	1794.7
48°	1477.2	1530.7	1743.2	1907.1	1955.4	1876.6	1717.8	1533.9	1466.5	1528.7	1762.1
49°	1448.8	1506.6	1721.0	1884.0	1939.7	1859.9	1682.2	1499.1	1428.7	1487.6	1743.2
50°	1398.3	1472.0	1688.4	1867.1	1911.4	1830.3	1660.1	1474.0	1380.4	1455.1	1714.8
51°	1359.3	1430.9	1659.1	1840.9	1887.2	1807.1	1633.7	1438.2	1351.0	1423.5	1682.2
52°	1329.9	1398.3	1638.9	1811.4	1870.3	1787.2	1603.3	1395.1	1314.2	1397.3	1660.1
53°	1279.4	1371.0	1605.3	1792.5	1840.9	1766.3	1582.2	1372.0	1263.7	1356.3	1631.7
54°	1238.6	1329.9	1575.0	1766.3	1818.8	1735.7	1546.6	1335.1	1233.1	1332.1	1595.9
55°	1209.0	1303.8	1554.8	1734.7	1798.9	1715.8	1517.0	1293.1	1193.3	1297.3	1575.0
56°	1157.5	1271.2	1526.5	1716.8	1775.8	1692.7	1496.1	1266.9	1153.3	1256.3	1548.6
57°	1115.4	1236.4	1489.7	1689.4	1746.2	1662.1	1453.0	1233.1	1102.8	1204.8	1519.2
58°	1085.1	1194.3	1461.3	1656.9	1725.3	1635.9	1430.9	1190.1	1074.4	1196.5	1498.1
59°	1045.0	1169.2	1440.4	1635.9	1690.5	1617.0	1409.8	1164.9	1034.6	1155.5	1463.5
60°	992.5	1133.3	1402.5	1608.6	1660.1	1582.2	1374.2	1131.3	1003.0	1122.9	1432.9
61°	961.9	1108.2	1379.4	1585.4	1638.9	1556.1	1345.8	1088.1	953.5	1097.5	1412.0
62°	920.9	1068.2	1351.0	1545.4	1604.3	1532.9	1322.7	1062.9	912.6	1056.7	1376.2
63°	869.4	1033.5	1314.2	1514.0	1562.3	1492.9	1285.8	1031.3	882.0	1021.9	1346.8
64°	838.0	1008.2	1292.1	1469.7	1534.9	1461.3	1260.5	989.3	830.5	997.7	1309.0
65°	795.9	967.2	1260.5	1443.4	1496.1	1435.1	1237.4	966.1	789.5	962.9	1287.9
66°	745.4	933.6	1220.7	1407.8	1448.8	1399.3	1197.5	930.3	760.1	922.1	1259.5
67°	713.8	908.4	1196.5	1367.7	1419.2	1354.1	1165.9	897.9	707.6	897.9	1220.7
68°	672.8	867.4	1161.7	1338.4	1379.4	1325.7	1142.8	855.7	667.6	865.3	1206.0
69°	621.3	835.8	1119.7	1290.1	1327.9	1286.9	1098.7	830.5	636.0	823.1	1165.9
70°	600.4	810.6	1093.3	1248.0	1296.3	1237.4	1061.9	797.9	585.7	799.0	1131.3
71°	548.9	770.6	1056.7	1217.4	1255.3	1207.0	1036.6	772.8	545.6	767.6	1106.0
72°	507.8	739.0	1021.9	1164.9	1201.7	1164.9	998.7	732.8	515.1	727.5	1061.9
73°	477.2	716.1	1003.0	1121.9	1179.6	1110.2	953.5	701.2	464.8	704.4	1026.1
74°	426.9	683.5	945.2	1090.3	1127.1	1078.6	924.1	678.0	425.7	672.8	998.7
75°	386.9	645.4	905.2	1036.6	1085.1	1037.6	884.3	641.2	396.4	635.0	953.5
76°	358.5	614.1	852.7	995.5	1054.5	985.1	834.8	609.8	359.5	603.4	913.6
77°	310.0	588.7	822.1	964.1	1002.0	954.7	804.2	585.7	311.3	580.3	884.3
78°	300.6	545.6	790.7	909.4	971.4	912.6	764.3	545.6	283.9	549.9	834.8
79°	247.1	511.0	751.7	868.4	927.3	872.6	713.8	511.0	249.1	524.5	793.7
80°	204.0	483.7	703.4	839.0	876.8	842.2	685.5	476.2	205.0	482.5	764.3
81°	171.4	437.4	660.3	797.9	836.8	792.7	644.4	449.9	180.9	449.9	714.9
82°	147.3	401.6	608.8	747.4	808.4	753.9	593.9	404.8	150.3	423.7	677.0
83°	117.7	374.2	579.2	718.1	759.1	726.5	574.0	377.4	113.5	379.5	646.6
84°	84.1	329.2	541.4	689.7	720.1	680.2	525.7	341.6	93.6	344.9	607.6
85°	66.2	303.8	514.1	649.7	692.9	640.2	479.5	299.6	69.4	317.5	557.1
86°	41.0	270.2	467.8	603.4	646.6	612.8	454.1	265.0	44.1	275.4	527.7
87°	25.1	230.2	432.2	566.6	609.8	565.6	417.3	238.6	34.6	243.8	489.9
88°	16.9	208.2	405.8	523.5	583.5	533.0	383.7	200.8	17.9	219.7	445.9
89°	7.4	180.9	375.2	502.6	545.6	507.8	364.8	174.4	9.5	183.9	420.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	4.2	170.4	360.5	491.9	541.4	480.5	351.1	164.0	6.2	162.0	385.9
91°	3.2	163.0	352.3	483.7	525.7	473.0	341.6	157.7	5.2	155.5	350.1
92°	4.2	152.5	344.9	471.0	514.1	463.6	334.4	150.3	3.2	144.1	340.6
93°	4.2	145.1	330.2	460.5	500.4	457.3	323.7	145.1	4.2	138.8	330.2
94°	3.2	139.8	322.7	448.9	491.9	444.6	314.3	135.6	4.2	132.4	322.7
95°	2.0	95.8	314.3	441.6	481.5	437.4	309.0	89.3	3.2	108.2	317.5
96°	3.2	56.7	303.8	431.0	469.0	427.9	297.6	67.2	3.2	66.2	304.8
97°	3.2	50.5	298.6	418.5	460.5	416.3	288.1	55.7	3.2	59.0	294.4
98°	3.2	53.5	281.7	411.0	451.1	409.0	272.2	64.2	3.2	60.0	289.1
99°	2.0	76.7	196.6	398.4	437.4	399.6	189.3	76.7	3.2	74.6	267.0
100°	2.0	75.6	125.1	386.9	429.0	385.9	90.3	73.6	2.0	72.6	208.2
101°	2.0	71.4	62.0	350.1	418.5	373.2	72.6	69.4	2.0	68.4	151.3
102°	2.0	67.2	59.0	240.8	360.5	309.0	65.2	65.2	3.2	65.2	83.1
103°	2.0	62.0	53.5	135.6	294.4	195.6	61.0	61.0	3.2	62.0	75.6
104°	2.0	59.0	56.7	62.0	169.2	94.6	65.2	56.7	3.2	59.0	72.6
105°	2.0	53.5	103.0	51.5	72.6	64.2	119.9	54.7	2.0	53.5	85.1
106°	2.0	51.5	150.3	49.5	64.2	62.0	175.6	50.5	2.0	50.5	128.4
107°	1.0	47.3	182.9	47.3	61.0	57.7	172.4	46.3	2.0	45.3	165.0
108°	2.0	42.1	174.4	57.7	60.0	54.7	167.2	44.1	2.0	42.1	170.4
109°	1.0	38.8	169.2	97.8	59.0	75.6	159.7	40.0	2.0	37.8	163.0
110°	2.0	35.8	158.7	166.2	97.8	149.3	153.5	34.6	2.0	32.6	157.7
111°	2.0	28.4	148.3	246.1	163.0	201.8	140.8	31.6	2.0	21.1	148.3
112°	2.0	19.9	140.8	243.8	217.7	240.8	131.4	18.9	1.0	13.7	143.1
113°	2.0	9.5	130.4	234.4	272.2	235.4	125.1	8.5	2.0	8.5	137.8
114°	2.0	6.2	122.9	225.9	262.8	223.9	116.7	7.4	2.0	7.4	132.4
115°	1.0	6.2	117.7	218.7	256.5	214.5	110.5	6.2	3.2	6.2	124.1
116°	1.0	5.2	112.5	206.0	246.1	201.8	108.2	5.2	2.0	5.2	118.7
117°	1.0	3.2	105.2	194.6	232.4	193.3	103.0	4.2	2.0	3.2	113.5
118°	2.0	3.2	102.0	185.1	224.9	182.9	97.8	3.2	2.0	3.2	104.0
119°	1.0	3.2	95.8	172.4	211.3	174.4	92.6	3.2	2.0	3.2	101.0
120°	1.0	3.2	87.3	165.0	197.6	165.0	88.3	3.2	2.0	3.2	92.6
121°	2.0	3.2	82.1	154.5	188.1	153.5	80.9	3.2	2.0	3.2	86.1
122°	2.0	2.0	77.9	149.3	177.7	147.3	75.6	3.2	2.0	3.2	80.9
123°	1.0	2.0	69.4	141.8	167.2	141.8	70.4	1.0	2.0	3.2	73.6
124°	1.0	2.0	64.2	133.6	162.0	133.6	62.0	3.2	3.2	3.2	66.2
125°	1.0	2.0	60.0	128.4	154.5	127.2	56.7	2.0	2.0	2.0	63.2
126°	2.0	1.0	44.1	120.9	144.1	121.9	43.1	3.2	2.0	2.0	48.3
127°	2.0	3.2	26.4	113.5	139.8	114.7	21.1	2.0	2.0	2.0	31.6
128°	1.0	2.0	14.7	108.2	130.4	107.2	14.7	2.0	2.0	2.0	19.9
129°	2.0	2.0	8.5	98.8	126.2	103.0	9.5	2.0	2.0	3.2	10.5
130°	2.0	2.0	7.4	90.3	116.7	94.6	7.4	2.0	2.0	3.2	10.5
131°	2.0	3.2	7.4	85.1	108.2	86.1	7.4	3.2	3.2	2.0	8.5
132°	2.0	2.0	5.2	75.6	96.8	80.9	6.2	3.2	3.2	3.2	6.2
133°	2.0	2.0	4.2	68.4	94.6	73.6	5.2	4.2	3.2	3.2	5.2
134°	2.0	3.2	3.2	50.5	84.1	53.5	4.2	2.0	2.0	3.2	5.2



TEST NUMBER: P571651
 CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	2.0	2.0	3.2	38.8	73.6	38.8	3.2	3.2	3.2	3.2	4.2
136°	3.2	2.0	4.2	13.7	59.0	18.9	3.2	3.2	2.0	3.2	4.2
137°	2.0	2.0	3.2	9.5	29.4	11.5	3.2	3.2	3.2	3.2	4.2
138°	3.2	3.2	3.2	8.5	15.7	10.5	3.2	3.2	3.2	3.2	4.2
139°	3.2	3.2	3.2	8.5	11.5	8.5	4.2	3.2	3.2	4.2	3.2
140°	3.2	3.2	4.2	6.2	9.5	7.4	5.2	4.2	4.2	3.2	4.2
141°	3.2	4.2	4.2	5.2	8.5	6.2	4.2	4.2	4.2	5.2	5.2
142°	4.2	4.2	4.2	5.2	8.5	6.2	4.2	4.2	3.2	5.2	5.2
143°	4.2	4.2	4.2	4.2	6.2	5.2	4.2	4.2	4.2	4.2	5.2
144°	4.2	5.2	5.2	5.2	5.2	5.2	4.2	4.2	5.2	5.2	5.2
145°	5.2	4.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
146°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.2	6.2	5.2
147°	5.2	5.2	5.2	5.2	6.2	5.2	6.2	5.2	5.2	5.2	5.2
148°	6.2	6.2	6.2	6.2	6.2	5.2	5.2	5.2	6.2	5.2	5.2
149°	6.2	6.2	7.4	7.4	7.4	6.2	5.2	5.2	6.2	6.2	6.2
150°	7.4	7.4	6.2	6.2	6.2	6.2	6.2	7.4	6.2	6.2	6.2
151°	7.4	7.4	6.2	7.4	7.4	6.2	7.4	7.4	7.4	6.2	6.2
152°	6.2	7.4	7.4	7.4	7.4	6.2	7.4	7.4	7.4	7.4	7.4
153°	8.5	8.5	7.4	7.4	8.5	7.4	7.4	6.2	7.4	7.4	7.4
154°	8.5	8.5	8.5	7.4	8.5	7.4	6.2	7.4	7.4	7.4	8.5
155°	8.5	9.5	9.5	7.4	8.5	7.4	7.4	8.5	8.5	8.5	7.4
156°	8.5	8.5	9.5	9.5	8.5	8.5	7.4	8.5	8.5	8.5	7.4
157°	9.5	9.5	9.5	9.5	9.5	7.4	8.5	9.5	8.5	8.5	8.5
158°	9.5	10.5	9.5	9.5	10.5	8.5	9.5	8.5	9.5	9.5	8.5
159°	10.5	10.5	9.5	10.5	10.5	9.5	9.5	9.5	9.5	9.5	9.5
160°	10.5	10.5	11.5	9.5	10.5	8.5	9.5	9.5	10.5	9.5	9.5
161°	10.5	11.5	10.5	11.5	10.5	9.5	10.5	9.5	10.5	10.5	9.5
162°	11.5	11.5	11.5	11.5	11.5	9.5	10.5	9.5	10.5	9.5	9.5
163°	11.5	11.5	12.7	11.5	11.5	10.5	10.5	11.5	10.5	10.5	10.5
164°	12.7	12.7	13.7	12.7	12.7	11.5	11.5	10.5	11.5	11.5	9.5
165°	13.7	12.7	13.7	13.7	11.5	10.5	11.5	11.5	11.5	11.5	11.5
166°	12.7	13.7	13.7	13.7	12.7	11.5	11.5	12.7	11.5	11.5	10.5
167°	13.7	13.7	14.7	13.7	13.7	11.5	13.7	12.7	11.5	12.7	12.7
168°	13.7	13.7	14.7	14.7	13.7	11.5	13.7	12.7	12.7	12.7	12.7
169°	14.7	15.7	15.7	15.7	14.7	12.7	12.7	13.7	13.7	12.7	12.7
170°	14.7	14.7	16.9	15.7	14.7	13.7	14.7	13.7	14.7	13.7	12.7
171°	15.7	15.7	16.9	15.7	15.7	14.7	13.7	13.7	13.7	14.7	13.7
172°	15.7	14.7	15.7	15.7	14.7	15.7	14.7	14.7	13.7	13.7	13.7
173°	16.9	16.9	16.9	16.9	14.7	15.7	14.7	15.7	14.7	14.7	14.7
174°	15.7	16.9	16.9	16.9	15.7	15.7	15.7	14.7	14.7	14.7	14.7
175°	16.9	16.9	16.9	16.9	16.9	15.7	15.7	15.7	14.7	15.7	15.7
176°	15.7	16.9	15.7	15.7	15.7	15.7	15.7	15.7	14.7	15.7	14.7
177°	16.9	16.9	16.9	16.9	16.9	15.7	14.7	14.7	15.7	15.7	14.7
178°	15.7	15.7	16.9	16.9	16.9	14.7	15.7	15.7	15.7	15.7	14.7
179°	16.9	16.9	15.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	15.7



TEST NUMBER: P571651
CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5



TEST NUMBER: P571651
 CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2525.0	2525.0	2525.0	2525.0	2525.0	2525.0
1°	2564.2	2552.6	2507.5	2535.9	2536.9	2556.8
2°	2566.3	2550.6	2507.5	2535.9	2536.9	2555.8
3°	2564.2	2553.8	2508.5	2533.7	2535.9	2554.8
4°	2564.2	2552.6	2506.3	2533.7	2534.7	2549.6
5°	2563.2	2550.6	2504.3	2529.4	2529.4	2545.3
6°	2559.0	2549.6	2504.3	2529.4	2524.2	2538.9
7°	2554.8	2547.3	2500.1	2524.2	2520.0	2530.6
8°	2549.6	2543.1	2496.8	2518.0	2511.7	2526.4
9°	2547.3	2540.1	2491.6	2513.7	2502.1	2518.0
10°	2540.1	2537.9	2489.6	2508.5	2498.1	2504.3
11°	2532.7	2532.7	2483.2	2499.1	2487.4	2493.8
12°	2528.4	2524.2	2474.9	2490.6	2473.7	2485.4
13°	2521.2	2517.0	2471.7	2485.4	2464.3	2468.5
14°	2511.7	2514.8	2462.2	2473.7	2453.8	2452.8
15°	2505.3	2506.3	2452.8	2460.0	2438.1	2442.3
16°	2496.8	2500.1	2447.6	2452.8	2425.4	2422.2
17°	2488.6	2490.6	2439.1	2439.1	2411.7	2402.3
18°	2479.1	2483.2	2426.4	2423.4	2394.8	2390.8
19°	2466.5	2473.7	2423.4	2410.7	2383.4	2371.9
20°	2453.8	2466.5	2409.7	2399.1	2361.2	2345.5
21°	2440.1	2451.8	2398.1	2380.2	2341.3	2329.9
22°	2432.9	2443.3	2390.8	2366.5	2326.6	2309.7
23°	2416.0	2434.9	2373.9	2354.0	2301.3	2280.4
24°	2398.1	2420.2	2359.2	2332.9	2281.4	2261.4
25°	2387.6	2409.7	2351.8	2313.0	2263.5	2239.3
26°	2372.9	2397.1	2333.9	2299.3	2233.1	2206.7
27°	2352.8	2380.2	2317.2	2279.4	2212.0	2185.8
28°	2342.3	2370.7	2305.5	2256.2	2193.0	2159.4
29°	2327.6	2354.0	2288.8	2241.5	2161.5	2125.8
30°	2308.7	2333.9	2270.9	2219.4	2136.3	2105.7
31°	2298.3	2325.6	2251.0	2193.0	2115.4	2073.3
32°	2276.1	2307.7	2237.3	2175.1	2086.8	2043.8
33°	2257.2	2287.6	2222.6	2154.2	2067.9	2020.6
34°	2243.5	2276.1	2202.5	2123.6	2030.1	1980.8
35°	2219.4	2260.4	2191.0	2105.7	1999.7	1951.2
36°	2199.5	2239.3	2166.9	2082.8	1961.9	1925.0
37°	2184.6	2225.6	2146.8	2052.2	1938.7	1881.8
38°	2160.4	2210.9	2135.3	2032.3	1906.1	1850.4
39°	2140.5	2191.0	2121.6	2006.9	1865.1	1823.0
40°	2123.6	2178.4	2091.0	1978.6	1840.9	1778.8
41°	2098.5	2153.2	2076.3	1959.7	1808.4	1742.2
42°	2078.6	2132.1	2050.2	1927.1	1767.3	1715.8
43°	2061.7	2106.9	2032.3	1898.7	1741.0	1669.5
44°	2032.3	2091.0	2012.2	1879.8	1709.6	1630.7



TEST NUMBER: P571651
 CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2011.2	2059.6	1985.0	1845.2	1668.5	1592.7
46°	1994.5	2041.7	1963.9	1818.8	1641.2	1563.3
47°	1969.1	2024.8	1946.0	1797.7	1607.6	1515.0
48°	1939.7	2003.9	1922.8	1763.1	1569.7	1477.2
49°	1922.8	1975.5	1892.5	1736.7	1526.5	1448.8
50°	1894.5	1958.6	1875.6	1714.8	1501.3	1398.3
51°	1867.1	1935.5	1850.4	1678.0	1465.5	1359.3
52°	1849.2	1906.1	1819.8	1649.6	1421.5	1329.9
53°	1820.8	1893.5	1803.1	1627.5	1393.1	1279.4
54°	1790.4	1864.1	1776.8	1596.9	1359.3	1238.6
55°	1770.5	1837.7	1745.2	1561.3	1315.2	1209.0
56°	1746.2	1818.8	1727.3	1539.2	1287.9	1157.5
57°	1712.6	1786.2	1702.1	1509.8	1253.3	1115.4
58°	1691.7	1761.1	1669.5	1473.0	1210.0	1085.1
59°	1667.5	1738.9	1656.9	1450.8	1182.8	1045.0
60°	1637.9	1704.1	1624.3	1422.5	1148.0	992.5
61°	1619.0	1674.8	1594.9	1385.6	1122.9	961.9
62°	1578.0	1648.4	1575.0	1356.3	1080.8	920.9
63°	1545.4	1607.6	1537.1	1335.1	1043.0	869.4
64°	1504.5	1571.7	1504.5	1297.3	1010.4	838.0
65°	1477.2	1544.4	1479.2	1267.9	984.1	795.9
66°	1441.4	1499.1	1437.1	1244.8	942.0	745.4
67°	1395.1	1456.1	1400.3	1213.2	909.4	713.8
68°	1365.7	1428.7	1373.0	1172.2	883.1	672.8
69°	1327.9	1378.4	1323.7	1147.0	841.0	621.3
70°	1276.4	1334.1	1283.6	1113.4	808.4	600.4
71°	1243.8	1301.5	1253.3	1068.2	782.3	548.9
72°	1202.8	1257.5	1213.2	1040.8	742.2	507.8
73°	1159.7	1203.8	1158.5	1005.0	707.6	477.2
74°	1128.1	1161.7	1125.9	956.7	684.5	426.9
75°	1074.4	1130.1	1083.8	927.3	644.4	386.9
76°	1033.5	1076.6	1030.3	888.3	611.8	358.5
77°	1002.0	1044.0	998.7	836.8	588.7	310.0
78°	948.2	1002.0	956.7	806.4	557.1	300.6
79°	905.2	951.5	905.2	765.4	516.3	247.1
80°	873.6	918.9	874.8	724.3	488.9	204.0
81°	822.1	877.8	833.8	693.9	455.3	171.4
82°	781.0	827.3	782.3	642.4	410.0	147.3
83°	751.7	807.4	752.7	602.4	380.7	117.7
84°	702.4	758.1	714.9	573.0	345.9	84.1
85°	664.4	720.1	678.0	522.5	318.5	66.2
86°	636.0	682.3	631.8	494.1	275.4	41.0
87°	599.2	645.4	605.6	458.3	241.8	25.1
88°	554.1	607.6	569.8	417.3	204.0	16.9
89°	527.7	580.3	542.4	393.1	183.9	7.4



TEST NUMBER: P571651
 CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	494.1	543.6	498.4	360.5	163.0	4.2
91°	475.2	531.0	479.5	343.8	156.7	3.2
92°	467.8	523.5	466.8	334.4	146.1	4.2
93°	452.1	508.8	459.5	328.0	139.8	4.2
94°	443.6	499.4	447.9	316.5	124.1	3.2
95°	437.4	491.9	435.2	307.0	90.3	2.0
96°	429.0	479.5	427.9	300.6	54.7	3.2
97°	419.5	467.8	418.5	292.3	49.5	3.2
98°	412.1	459.5	404.8	258.5	60.0	3.2
99°	399.6	445.9	398.4	207.0	72.6	2.0
100°	380.7	434.2	386.9	118.7	68.4	2.0
101°	341.6	418.5	341.6	66.2	67.2	2.0
102°	213.5	352.3	280.7	62.0	64.2	2.0
103°	139.8	231.4	157.7	57.7	60.0	2.0
104°	84.1	152.5	67.2	85.1	56.7	2.0
105°	69.4	72.6	59.0	124.1	52.5	2.0
106°	69.4	66.2	54.7	177.7	52.5	2.0
107°	66.2	64.2	51.5	174.4	46.3	1.0
108°	64.2	62.0	59.0	172.4	40.0	2.0
109°	84.1	83.1	119.9	159.7	36.8	1.0
110°	137.8	127.2	188.1	152.5	31.6	2.0
111°	202.8	197.6	234.4	148.3	17.9	2.0
112°	241.8	275.4	236.6	140.8	11.5	2.0
113°	234.4	275.4	227.2	133.6	8.5	2.0
114°	227.2	265.0	219.7	128.4	5.2	2.0
115°	217.7	252.3	212.5	119.9	5.2	1.0
116°	211.3	246.1	201.8	113.5	4.2	1.0
117°	200.8	234.4	195.6	108.2	4.2	1.0
118°	193.3	225.9	188.1	98.8	3.2	2.0
119°	186.1	219.7	178.7	93.6	3.2	1.0
120°	177.7	208.2	171.4	89.3	3.2	1.0
121°	169.2	197.6	164.0	80.9	3.2	2.0
122°	162.0	189.3	153.5	74.6	3.2	2.0
123°	153.5	178.7	147.3	69.4	2.0	1.0
124°	143.1	169.2	138.8	63.2	2.0	1.0
125°	137.8	163.0	132.4	48.3	3.2	1.0
126°	127.2	152.5	126.2	36.8	2.0	2.0
127°	118.7	141.8	115.7	18.9	2.0	2.0
128°	112.5	136.6	107.2	10.5	2.0	1.0
129°	105.2	122.9	101.0	8.5	2.0	2.0
130°	95.8	115.7	91.5	7.4	2.0	2.0
131°	89.3	109.2	83.1	6.2	1.0	2.0
132°	80.9	99.8	76.7	5.2	3.2	2.0
133°	66.2	89.3	56.7	5.2	3.2	2.0
134°	53.5	83.1	36.8	4.2	2.0	2.0



TEST NUMBER: P571651
 CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	31.6	66.2	24.1	3.2	2.0	2.0
136°	15.7	38.8	11.5	3.2	3.2	3.2
137°	11.5	24.1	9.5	3.2	3.2	2.0
138°	10.5	14.7	10.5	3.2	4.2	3.2
139°	8.5	11.5	9.5	3.2	4.2	3.2
140°	7.4	9.5	6.2	4.2	3.2	3.2
141°	6.2	8.5	5.2	3.2	4.2	3.2
142°	5.2	7.4	5.2	4.2	4.2	4.2
143°	4.2	6.2	5.2	4.2	4.2	4.2
144°	5.2	5.2	5.2	5.2	5.2	4.2
145°	5.2	4.2	4.2	5.2	4.2	5.2
146°	5.2	6.2	5.2	5.2	6.2	5.2
147°	5.2	5.2	6.2	6.2	6.2	5.2
148°	5.2	6.2	7.4	6.2	5.2	6.2
149°	5.2	6.2	6.2	6.2	6.2	6.2
150°	6.2	7.4	6.2	7.4	7.4	7.4
151°	7.4	6.2	7.4	7.4	7.4	7.4
152°	7.4	7.4	7.4	8.5	7.4	6.2
153°	7.4	6.2	7.4	8.5	8.5	8.5
154°	7.4	8.5	8.5	7.4	7.4	8.5
155°	7.4	8.5	8.5	8.5	8.5	8.5
156°	7.4	9.5	8.5	9.5	9.5	8.5
157°	8.5	9.5	10.5	9.5	9.5	9.5
158°	9.5	8.5	8.5	9.5	10.5	9.5
159°	9.5	9.5	8.5	9.5	10.5	10.5
160°	8.5	9.5	10.5	10.5	10.5	10.5
161°	10.5	10.5	10.5	10.5	10.5	10.5
162°	9.5	9.5	10.5	11.5	11.5	11.5
163°	10.5	11.5	11.5	11.5	11.5	11.5
164°	10.5	10.5	11.5	11.5	12.7	12.7
165°	9.5	11.5	12.7	12.7	12.7	13.7
166°	11.5	11.5	12.7	12.7	13.7	12.7
167°	11.5	12.7	12.7	13.7	13.7	13.7
168°	12.7	12.7	13.7	13.7	14.7	13.7
169°	13.7	13.7	14.7	14.7	14.7	14.7
170°	13.7	13.7	13.7	13.7	14.7	14.7
171°	13.7	14.7	14.7	13.7	14.7	15.7
172°	13.7	15.7	14.7	14.7	14.7	15.7
173°	14.7	15.7	14.7	15.7	14.7	16.9
174°	14.7	15.7	15.7	15.7	15.7	15.7
175°	15.7	15.7	15.7	15.7	15.7	16.9
176°	15.7	15.7	14.7	15.7	16.9	15.7
177°	14.7	15.7	16.9	15.7	15.7	16.9
178°	15.7	16.9	16.9	16.9	15.7	15.7
179°	16.9	16.9	15.7	15.7	16.9	16.9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



TEST NUMBER: P571651
CATALOG NUMBER: 8ST2L80SC3-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	16.5	16.5	16.5	16.5	16.5	16.5

(END OF REPORT)