

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: P579285

Luminaire Tested: **8ST2L8040**

Issue Date: 11/3/2021

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: P579285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (WH21035177P)
Test Lab: INNOVATION CENTER
Issue Date: 11/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ST2L8040
Description: 8FT ST Dual Lens striplight 0-10V dimming UNV 9500L 4000K
Light Source: -
Ballast/Driver:

Luminaire Equipment: Sample No. Condition Description

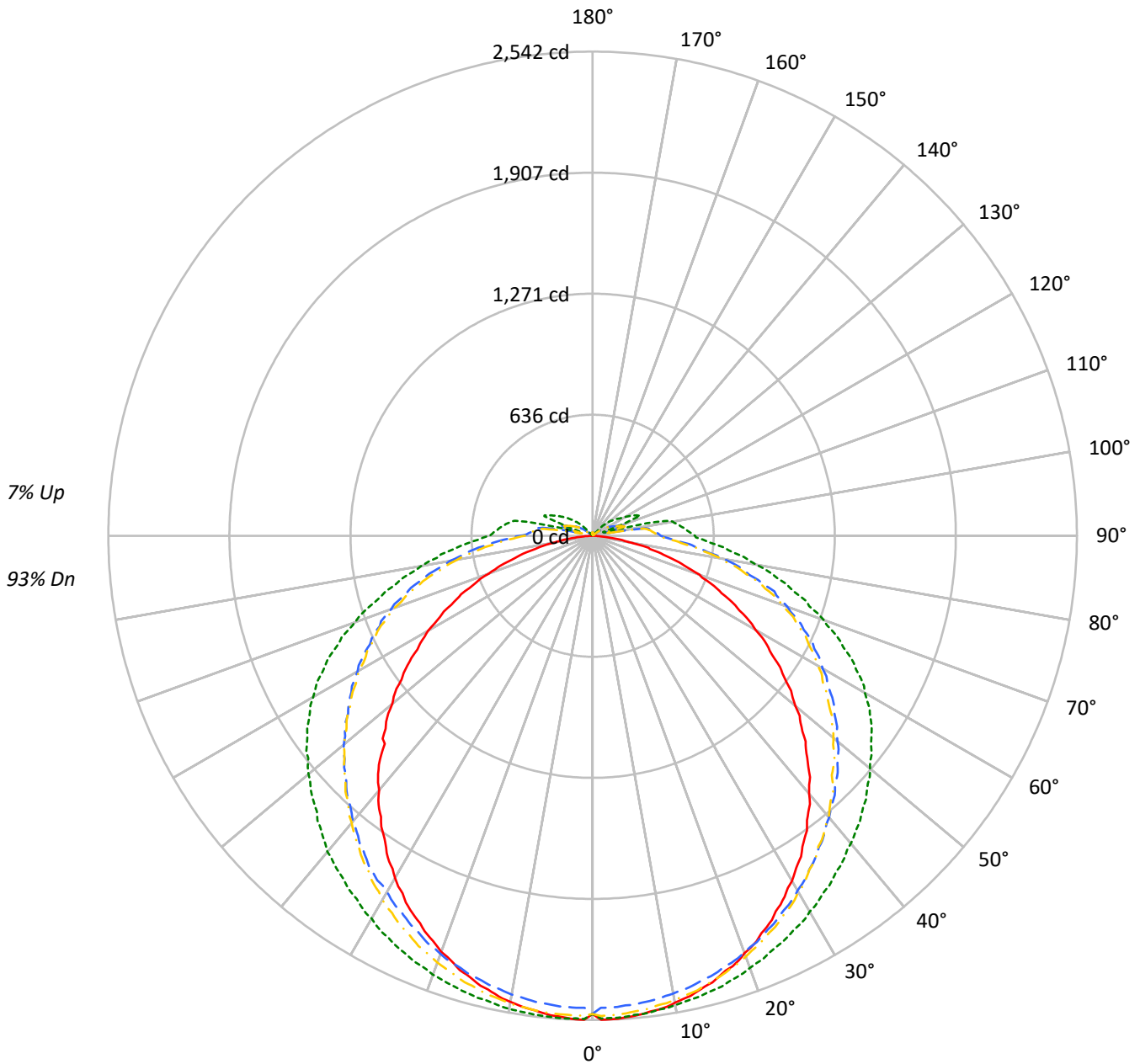
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9200.0 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.17m x L: 8m x H: 0.08m)
CIE Type: Direct

Input Watts (W): 80
Input Voltage (V):
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: P579285
CATALOG NUMBER: 8ST2L8040

Luminous Intensity Polar Plot





TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

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	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°	1882	1882	1882	1882
5°	1903	1822	1901	1829
10°	1892	1752	1889	1766
15°	1880	1690	1870	1707
20°	1854	1632	1848	1657
25°	1833	1581	1817	1609
30°	1802	1533	1786	1561
35°	1763	1492	1740	1525
40°	1716	1456	1693	1495
45°	1662	1422	1620	1450
50°	1602	1391	1582	1426
55°	1549	1366	1528	1396
60°	1454	1329	1469	1364
65°	1373	1276	1363	1317
70°	1272	1193	1241	1228
75°	1073	1093	1099	1139
80°	827	984	831	1032
85°	506	886	531	921



TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	2.6
10°-20°	683.8	7.4
20°-30°	1047.7	11.4
30°-40°	1291.2	14.0
40°-50°	1394.0	15.2
50°-60°	1358.1	14.8
60°-70°	1189.3	12.9
70°-80°	884.1	9.6
80°-90°	512.8	5.6
90°-100°	294.4	3.2
100°-110°	108.3	1.2
110°-120°	111.7	1.2
120°-130°	59.0	0.6
130°-140°	16.0	0.2
140°-150°	3.4	0.0
150°-160°	3.8	0.0
160°-170°	3.3	0.0
170°-180°	1.5	0.0
0°-30°	1969.1	21.4
0°-40°	3260.4	35.4
0°-60°	6012.5	65.4
0°-90°	8598.7	93.5
90°-120°	514.4	5.6
90°-150°	592.8	6.4
90°-180°	601.0	6.5
0°-180°	9200.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2510	2510	2510	2510	2510	
5°	2530	2525	2527	2535	2530	240
15°	2428	2467	2415	2492	2428	684
25°	2226	2355	2206	2395	2226	1024
35°	1940	2198	1915	2247	1940	1213
45°	1583	2009	1544	2047	1583	1223
55°	1202	1788	1186	1827	1202	1068
65°	791	1487	785	1535	791	780
75°	385	1078	394	1124	385	416
85°	66	689	69	716	66	81
90°	4	538	6	540	4	4
95°	2	479	3	489	2	2
105°	2	72	2	72	2	2
115°	1	255	3	251	1	2
125°	1	154	2	162	1	1
135°	2	73	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: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2510.0	2510.0	2510.0	2510.0	2510.0	2510.0	2510.0	2510.0	2510.0	2510.0	2510.0
1°	2541.6	2421.5	2477.9	2547.9	2535.4	2492.5	2521.8	2519.7	2541.6	2421.5	2477.9
2°	2540.6	2420.4	2478.9	2546.9	2533.3	2489.4	2518.6	2518.6	2540.6	2420.4	2480.0
3°	2539.5	2419.4	2476.8	2545.8	2534.3	2486.2	2517.6	2516.6	2535.4	2418.3	2477.9
4°	2534.3	2416.2	2471.6	2543.7	2531.2	2485.2	2513.4	2512.4	2529.1	2414.1	2476.8
5°	2530.1	2412.0	2471.6	2540.6	2524.9	2482.1	2507.2	2506.1	2527.0	2410.0	2472.7
6°	2523.9	2408.9	2465.3	2535.4	2524.9	2474.8	2504.0	2503.0	2518.6	2407.9	2467.4
7°	2515.5	2401.6	2461.2	2531.2	2519.7	2472.7	2497.7	2495.7	2509.2	2399.5	2465.3
8°	2511.3	2395.3	2455.9	2527.0	2511.3	2465.3	2488.3	2484.2	2504.0	2390.1	2458.0
9°	2503.0	2388.0	2446.5	2519.7	2510.3	2458.0	2484.2	2476.8	2494.6	2384.9	2449.7
10°	2489.4	2377.6	2440.3	2515.5	2501.9	2453.9	2473.7	2470.6	2485.2	2374.4	2445.5
11°	2478.9	2371.3	2431.9	2509.2	2494.6	2446.5	2466.4	2457.0	2475.8	2362.9	2436.1
12°	2470.6	2357.7	2425.6	2499.8	2489.4	2437.1	2457.0	2441.3	2460.1	2347.3	2426.7
13°	2453.9	2343.1	2414.1	2494.6	2484.2	2429.8	2448.6	2435.0	2444.4	2339.9	2419.4
14°	2438.2	2335.8	2400.6	2483.1	2473.7	2421.5	2434.0	2418.3	2434.0	2332.6	2406.8
15°	2427.7	2320.1	2394.3	2470.6	2467.4	2411.0	2421.5	2400.6	2415.2	2316.9	2397.4
16°	2407.9	2310.7	2381.7	2463.3	2461.2	2400.6	2411.0	2390.1	2396.4	2299.2	2388.0
17°	2388.0	2297.1	2366.1	2450.7	2447.6	2392.2	2396.4	2373.4	2384.9	2287.7	2372.3
18°	2376.5	2279.3	2357.7	2436.1	2439.2	2378.6	2379.7	2351.4	2359.8	2274.1	2361.9
19°	2357.7	2262.6	2345.2	2432.9	2428.8	2369.2	2369.2	2338.9	2339.9	2253.2	2351.4
20°	2331.6	2250.1	2326.4	2417.3	2415.2	2356.7	2351.4	2322.2	2324.3	2235.4	2335.8
21°	2315.9	2229.2	2311.7	2404.7	2402.6	2343.1	2332.6	2295.0	2298.1	2222.9	2318.0
22°	2296.0	2209.3	2300.2	2395.3	2394.3	2332.6	2320.1	2279.3	2276.2	2204.1	2308.6
23°	2266.8	2195.7	2281.4	2377.6	2377.6	2316.9	2299.2	2259.5	2256.3	2179.0	2288.7
24°	2248.0	2170.6	2261.6	2362.9	2365.0	2303.4	2281.4	2234.4	2227.1	2165.4	2267.8
25°	2226.0	2148.7	2249.0	2352.5	2354.6	2290.8	2266.8	2219.8	2206.2	2142.4	2255.3
26°	2193.6	2134.1	2227.1	2331.6	2341.0	2273.1	2246.9	2189.4	2184.2	2115.2	2235.4
27°	2172.7	2106.9	2208.3	2314.9	2324.3	2265.7	2222.9	2164.4	2160.2	2099.6	2214.5
28°	2146.6	2082.8	2193.6	2303.4	2312.8	2251.1	2208.3	2145.6	2125.7	2076.6	2202.0
29°	2113.2	2066.1	2175.9	2281.4	2300.2	2237.5	2187.4	2114.2	2105.8	2047.3	2182.1
30°	2093.3	2042.1	2150.8	2263.6	2279.3	2215.6	2159.1	2088.1	2074.5	2028.5	2158.1
31°	2060.9	2012.8	2134.1	2240.7	2266.8	2204.1	2144.5	2067.2	2039.0	2004.5	2141.4
32°	2031.6	1993.0	2115.2	2227.1	2249.0	2185.3	2117.3	2032.7	2017.0	1974.2	2133.0
33°	2008.6	1974.2	2088.1	2210.3	2230.2	2164.4	2090.2	2006.6	1984.6	1961.6	2113.2
34°	1968.9	1935.5	2071.4	2192.6	2218.7	2151.8	2073.4	1982.5	1944.9	1927.1	2097.5
35°	1939.7	1914.6	2048.4	2173.8	2197.8	2132.0	2047.3	1945.9	1914.6	1900.0	2070.3
36°	1913.5	1887.4	2021.2	2155.0	2176.9	2109.0	2016.0	1916.7	1888.5	1880.1	2046.3
37°	1870.7	1851.9	2003.4	2139.3	2165.4	2096.4	1999.2	1885.3	1846.7	1845.6	2029.5
38°	1839.3	1831.0	1978.3	2119.4	2146.6	2077.6	1975.2	1862.3	1820.5	1817.4	1999.2
39°	1812.2	1800.7	1949.1	2094.3	2122.6	2058.8	1948.0	1822.6	1788.1	1796.5	1976.3
40°	1768.3	1763.1	1931.3	2080.8	2109.0	2045.2	1929.2	1791.3	1744.2	1758.9	1958.5
41°	1731.7	1742.2	1905.2	2056.7	2091.2	2020.1	1896.8	1766.2	1717.1	1728.6	1928.2
42°	1705.6	1711.8	1883.2	2030.6	2070.3	1999.2	1868.6	1724.4	1682.6	1706.6	1903.1



TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1583.3	1617.8	1810.1	1963.7	2008.6	1932.4	1775.6	1617.8	1543.6	1599.0	1828.9
46°	1554.0	1594.8	1789.2	1947.0	1994.0	1905.2	1755.7	1593.7	1533.1	1573.9	1801.7
47°	1506.0	1560.3	1757.8	1924.0	1967.9	1888.5	1734.8	1567.6	1486.1	1543.6	1784.0
48°	1468.3	1521.6	1732.7	1895.8	1943.9	1865.5	1707.7	1524.8	1457.9	1519.5	1751.6
49°	1440.1	1497.6	1710.8	1872.8	1928.2	1848.8	1672.1	1490.3	1420.3	1478.8	1732.7
50°	1390.0	1463.1	1678.4	1856.1	1900.0	1819.5	1650.2	1465.2	1372.2	1446.4	1704.5
51°	1351.3	1422.4	1649.1	1829.9	1875.9	1796.5	1624.1	1429.7	1342.9	1415.0	1672.1
52°	1322.0	1390.0	1629.3	1800.7	1859.2	1776.6	1593.7	1386.8	1306.4	1388.9	1650.2
53°	1271.9	1362.8	1595.8	1781.9	1829.9	1755.7	1572.8	1363.8	1256.2	1348.2	1622.0
54°	1231.1	1322.0	1565.5	1755.7	1808.0	1725.4	1537.3	1327.3	1225.9	1324.1	1586.4
55°	1201.8	1295.9	1545.7	1724.4	1788.1	1705.6	1508.1	1285.5	1186.2	1289.6	1565.5
56°	1150.6	1263.5	1517.5	1706.6	1765.1	1682.6	1487.2	1259.3	1146.5	1248.9	1539.4
57°	1108.8	1229.0	1480.9	1679.4	1735.9	1652.3	1444.3	1225.9	1096.3	1197.7	1510.1
58°	1078.5	1187.2	1452.7	1647.0	1715.0	1626.1	1422.4	1183.0	1068.1	1189.3	1489.2
59°	1038.8	1162.1	1431.8	1626.1	1680.5	1607.3	1401.5	1158.0	1028.4	1148.5	1454.8
60°	986.6	1126.6	1394.1	1599.0	1650.2	1572.8	1365.9	1124.5	997.0	1116.1	1424.4
61°	956.2	1101.5	1371.1	1576.0	1629.3	1546.7	1337.7	1081.7	947.9	1091.1	1403.5
62°	915.5	1061.8	1342.9	1536.3	1594.8	1523.7	1314.7	1056.6	907.1	1050.3	1368.0
63°	864.3	1027.3	1306.4	1504.9	1553.0	1484.0	1278.1	1025.2	876.8	1015.8	1338.7
64°	832.9	1002.2	1284.4	1461.0	1525.8	1452.7	1253.1	983.4	825.6	991.8	1301.1
65°	791.1	961.5	1253.1	1434.9	1487.2	1426.5	1230.1	960.4	784.9	957.3	1280.2
66°	741.0	928.0	1213.3	1399.4	1440.1	1391.0	1190.3	924.9	755.6	916.5	1252.0
67°	709.6	903.0	1189.3	1359.7	1410.9	1346.1	1159.0	892.5	703.3	892.5	1213.3
68°	668.9	862.2	1154.8	1330.4	1371.1	1317.8	1136.0	850.7	663.6	860.1	1198.7
69°	617.6	830.8	1113.0	1282.3	1319.9	1279.2	1092.1	825.6	632.3	818.3	1159.0
70°	596.7	805.8	1086.9	1240.5	1288.6	1230.1	1055.5	793.2	582.1	794.3	1124.5
71°	545.5	766.0	1050.3	1210.2	1247.8	1199.8	1030.5	768.1	542.4	762.9	1099.4
72°	504.8	734.7	1015.8	1158.0	1194.5	1158.0	992.8	728.4	512.1	723.2	1055.5
73°	474.5	711.7	997.0	1115.1	1172.6	1103.6	947.9	697.1	461.9	700.2	1020.0
74°	424.3	679.3	939.5	1083.8	1120.3	1072.3	918.6	674.1	423.3	668.9	992.8
75°	384.6	641.7	899.8	1030.5	1078.5	1031.5	878.9	637.5	394.0	631.2	947.9
76°	356.4	610.3	847.6	989.7	1048.2	979.2	829.8	606.1	357.4	599.9	908.2
77°	308.3	585.2	817.3	958.3	996.0	948.9	799.5	582.1	309.3	576.9	878.9
78°	298.9	542.4	785.9	904.0	965.7	907.1	759.8	542.4	282.2	546.6	829.8
79°	245.6	507.9	747.2	863.2	921.8	867.4	709.6	507.9	247.7	521.5	789.0
80°	202.7	480.7	699.2	834.0	871.6	837.1	681.4	473.4	203.8	479.7	759.8
81°	170.3	434.8	656.3	793.2	831.9	788.0	640.6	447.3	179.8	447.3	710.7
82°	146.3	399.2	605.1	743.1	803.7	749.3	590.5	402.4	149.4	421.2	673.0
83°	117.0	372.0	575.8	713.8	754.5	722.2	570.6	375.2	112.9	377.3	642.7
84°	83.6	327.1	538.2	685.6	715.9	676.2	522.5	339.7	93.0	342.8	604.1
85°	65.8	302.0	511.0	645.9	688.7	636.5	476.6	297.8	69.0	315.6	553.9
86°	40.8	268.6	465.1	599.9	642.7	609.3	451.5	263.4	43.9	273.8	524.6
87°	25.1	228.9	429.5	563.3	606.1	562.3	414.9	237.2	34.5	242.5	487.0



TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	4.2	169.3	358.5	489.1	538.2	477.6	349.1	163.0	6.3	160.9	383.5
91°	3.1	162.0	350.1	480.7	522.5	470.3	339.7	156.8	5.2	154.7	348.0
92°	4.2	151.5	342.8	468.2	511.0	460.9	332.3	149.4	3.1	143.2	338.6
93°	4.2	144.2	328.2	457.7	497.5	454.6	321.9	144.2	4.2	138.0	328.2
94°	3.1	139.0	320.8	446.2	489.1	442.1	312.5	134.8	4.2	131.7	320.8
95°	2.1	95.1	312.5	438.9	478.6	434.8	307.3	88.8	3.1	107.6	315.6
96°	3.1	56.4	302.0	428.5	466.1	425.3	295.8	66.9	3.1	65.8	303.1
97°	3.1	50.2	296.8	415.9	457.7	413.9	286.4	55.4	3.1	58.5	292.6
98°	3.1	53.3	280.1	408.6	448.3	406.5	270.7	63.7	3.1	59.6	287.4
99°	2.1	76.3	195.4	396.1	434.8	397.1	188.1	76.3	3.1	74.2	265.5
100°	2.1	75.2	124.4	384.6	426.4	383.5	89.9	73.2	2.1	72.1	206.9
101°	2.1	71.1	61.7	348.0	415.9	371.0	72.1	69.0	2.1	67.9	150.5
102°	2.1	66.9	58.5	239.3	358.5	307.3	64.8	64.8	3.1	64.8	82.6
103°	2.1	61.7	53.3	134.8	292.6	194.4	60.6	60.6	3.1	61.7	75.2
104°	2.1	58.5	56.4	61.7	168.3	94.1	64.8	56.4	3.1	58.5	72.1
105°	2.1	53.3	102.4	51.2	72.1	63.7	119.1	54.3	2.1	53.3	84.7
106°	2.1	51.2	149.4	49.1	63.7	61.7	174.5	50.2	2.1	50.2	127.5
107°	1.0	47.0	181.8	47.0	60.6	57.5	171.4	46.0	2.1	44.9	164.1
108°	2.1	41.8	173.5	57.5	59.6	54.3	166.2	43.9	2.1	41.8	169.3
109°	1.0	38.7	168.3	97.2	58.5	75.2	158.9	39.7	2.1	37.6	162.0
110°	2.1	35.5	157.8	165.1	97.2	148.4	152.6	34.5	2.1	32.4	156.8
111°	2.1	28.2	147.4	244.5	162.0	200.7	140.0	31.4	2.1	20.9	147.4
112°	2.1	19.9	140.0	242.5	216.3	239.3	130.6	18.8	1.0	13.6	142.1
113°	2.1	9.4	129.6	233.1	270.7	234.1	124.4	8.4	2.1	8.4	136.9
114°	2.1	6.3	122.3	224.7	261.3	222.6	116.0	7.3	2.1	7.3	131.7
115°	1.0	6.3	117.0	217.4	255.0	213.2	109.7	6.3	3.1	6.3	123.3
116°	1.0	5.2	111.8	204.8	244.5	200.7	107.6	5.2	2.1	5.2	118.1
117°	1.0	3.1	104.5	193.3	231.0	192.3	102.4	4.2	2.1	3.1	112.9
118°	2.1	3.1	101.4	183.9	223.6	181.8	97.2	3.1	2.1	3.1	103.5
119°	1.0	3.1	95.1	171.4	210.1	173.5	92.0	3.1	2.1	3.1	100.3
120°	1.0	3.1	86.7	164.1	196.5	164.1	87.8	3.1	2.1	3.1	92.0
121°	2.1	3.1	81.5	153.6	187.1	152.6	80.5	3.1	2.1	3.1	85.7
122°	2.1	2.1	77.3	148.4	176.6	146.3	75.2	3.1	2.1	3.1	80.5
123°	1.0	2.1	69.0	141.1	166.2	141.1	70.0	1.0	2.1	3.1	73.2
124°	1.0	2.1	63.7	132.7	160.9	132.7	61.7	3.1	3.1	3.1	65.8
125°	1.0	2.1	59.6	127.5	153.6	126.5	56.4	2.1	2.1	2.1	62.7
126°	2.1	1.0	43.9	120.2	143.2	121.2	42.8	3.1	2.1	2.1	48.1
127°	2.1	3.1	26.1	112.9	139.0	113.9	20.9	2.1	2.1	2.1	31.4
128°	1.0	2.1	14.6	107.6	129.6	106.6	14.6	2.1	2.1	2.1	19.9
129°	2.1	2.1	8.4	98.2	125.4	102.4	9.4	2.1	2.1	3.1	10.4
130°	2.1	2.1	7.3	89.9	116.0	94.1	7.3	2.1	2.1	3.1	10.4
131°	2.1	3.1	7.3	84.7	107.6	85.7	7.3	3.1	3.1	2.1	8.4
132°	2.1	2.1	5.2	75.2	96.1	80.5	6.3	3.1	3.1	3.1	6.3



TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	2.1	2.1	3.1	38.7	73.2	38.7	3.1	3.1	3.1	3.1	4.2
136°	3.1	2.1	4.2	13.6	58.5	18.8	3.1	3.1	2.1	3.1	4.2
137°	2.1	2.1	3.1	9.4	29.3	11.5	3.1	3.1	3.1	3.1	4.2
138°	3.1	3.1	3.1	8.4	15.7	10.4	3.1	3.1	3.1	3.1	4.2
139°	3.1	3.1	3.1	8.4	11.5	8.4	4.2	3.1	3.1	4.2	3.1
140°	3.1	3.1	4.2	6.3	9.4	7.3	5.2	4.2	4.2	3.1	4.2
141°	3.1	4.2	4.2	5.2	8.4	6.3	4.2	4.2	4.2	5.2	5.2
142°	4.2	4.2	4.2	5.2	8.4	6.3	4.2	4.2	3.1	5.2	5.2
143°	4.2	4.2	4.2	4.2	6.3	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	6.3	6.3	5.2
147°	5.2	5.2	5.2	5.2	6.3	5.2	6.3	5.2	5.2	5.2	5.2
148°	6.3	6.3	6.3	6.3	6.3	5.2	5.2	5.2	6.3	5.2	5.2
149°	6.3	6.3	7.3	7.3	7.3	6.3	5.2	5.2	6.3	6.3	6.3
150°	7.3	7.3	6.3	6.3	6.3	6.3	6.3	7.3	6.3	6.3	6.3
151°	7.3	7.3	6.3	7.3	7.3	6.3	7.3	7.3	7.3	6.3	6.3
152°	6.3	7.3	7.3	7.3	7.3	6.3	7.3	7.3	7.3	7.3	7.3
153°	8.4	8.4	7.3	7.3	8.4	7.3	7.3	6.3	7.3	7.3	7.3
154°	8.4	8.4	8.4	7.3	8.4	7.3	6.3	7.3	7.3	7.3	8.4
155°	8.4	9.4	9.4	7.3	8.4	7.3	7.3	8.4	8.4	8.4	7.3
156°	8.4	8.4	9.4	9.4	8.4	8.4	7.3	8.4	8.4	8.4	7.3
157°	9.4	9.4	9.4	9.4	9.4	7.3	8.4	9.4	8.4	8.4	8.4
158°	9.4	10.4	9.4	9.4	10.4	8.4	9.4	8.4	9.4	9.4	8.4
159°	10.4	10.4	9.4	10.4	10.4	9.4	9.4	9.4	9.4	9.4	9.4
160°	10.4	10.4	11.5	9.4	10.4	8.4	9.4	9.4	10.4	9.4	9.4
161°	10.4	11.5	10.4	11.5	10.4	9.4	10.4	9.4	10.4	10.4	9.4
162°	11.5	11.5	11.5	11.5	11.5	9.4	10.4	9.4	10.4	9.4	9.4
163°	11.5	11.5	12.5	11.5	11.5	10.4	10.4	11.5	10.4	10.4	10.4
164°	12.5	12.5	13.6	12.5	12.5	11.5	11.5	10.4	11.5	11.5	9.4
165°	13.6	12.5	13.6	13.6	11.5	10.4	11.5	11.5	11.5	11.5	11.5
166°	12.5	13.6	13.6	13.6	12.5	11.5	11.5	12.5	11.5	11.5	10.4
167°	13.6	13.6	14.6	13.6	13.6	11.5	13.6	12.5	11.5	12.5	12.5
168°	13.6	13.6	14.6	14.6	13.6	11.5	13.6	12.5	12.5	12.5	12.5
169°	14.6	15.7	15.7	15.7	14.6	12.5	12.5	13.6	13.6	12.5	12.5
170°	14.6	14.6	16.7	15.7	14.6	13.6	14.6	13.6	14.6	13.6	12.5
171°	15.7	15.7	16.7	15.7	15.7	14.6	13.6	13.6	13.6	14.6	13.6
172°	15.7	14.6	15.7	15.7	14.6	15.7	14.6	14.6	13.6	13.6	13.6
173°	16.7	16.7	16.7	16.7	14.6	15.7	14.6	15.7	14.6	14.6	14.6
174°	15.7	16.7	16.7	16.7	15.7	15.7	15.7	14.6	14.6	14.6	14.6
175°	16.7	16.7	16.7	16.7	16.7	15.7	15.7	15.7	14.6	15.7	15.7
176°	15.7	16.7	15.7	15.7	15.7	15.7	15.7	15.7	14.6	15.7	14.6
177°	16.7	16.7	16.7	16.7	16.7	15.7	14.6	14.6	15.7	15.7	14.6



TEST NUMBER: P579285
CATALOG NUMBER: 8ST2L8040

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: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2510.0	2510.0	2510.0	2510.0	2510.0	2510.0
1°	2549.0	2537.5	2492.5	2520.7	2521.8	2541.6
2°	2551.0	2535.4	2492.5	2520.7	2521.8	2540.6
3°	2549.0	2538.5	2493.6	2518.6	2520.7	2539.5
4°	2549.0	2537.5	2491.5	2518.6	2519.7	2534.3
5°	2547.9	2535.4	2489.4	2514.5	2514.5	2530.1
6°	2543.7	2534.3	2489.4	2514.5	2509.2	2523.9
7°	2539.5	2532.2	2485.2	2509.2	2505.1	2515.5
8°	2534.3	2528.1	2482.1	2503.0	2496.7	2511.3
9°	2532.2	2524.9	2476.8	2498.8	2487.3	2503.0
10°	2524.9	2522.8	2474.8	2493.6	2483.1	2489.4
11°	2517.6	2517.6	2468.5	2484.2	2472.7	2478.9
12°	2513.4	2509.2	2460.1	2475.8	2459.1	2470.6
13°	2506.1	2501.9	2457.0	2470.6	2449.7	2453.9
14°	2496.7	2499.8	2447.6	2459.1	2439.2	2438.2
15°	2490.4	2491.5	2438.2	2445.5	2423.5	2427.7
16°	2482.1	2485.2	2432.9	2438.2	2411.0	2407.9
17°	2473.7	2475.8	2424.6	2424.6	2397.4	2388.0
18°	2464.3	2468.5	2412.0	2408.9	2380.7	2376.5
19°	2451.8	2459.1	2408.9	2396.4	2369.2	2357.7
20°	2439.2	2451.8	2395.3	2384.9	2347.3	2331.6
21°	2425.6	2437.1	2383.8	2366.1	2327.4	2315.9
22°	2418.3	2428.8	2376.5	2352.5	2312.8	2296.0
23°	2401.6	2420.4	2359.8	2339.9	2287.7	2266.8
24°	2383.8	2405.8	2345.2	2319.0	2267.8	2248.0
25°	2373.4	2395.3	2337.8	2299.2	2250.1	2226.0
26°	2358.8	2382.8	2320.1	2285.6	2219.8	2193.6
27°	2338.9	2366.1	2303.4	2265.7	2198.9	2172.7
28°	2328.4	2356.7	2291.9	2242.7	2180.0	2146.6
29°	2313.8	2339.9	2275.1	2228.1	2148.7	2113.2
30°	2295.0	2320.1	2257.4	2206.2	2123.6	2093.3
31°	2284.5	2311.7	2237.5	2180.0	2102.7	2060.9
32°	2262.6	2294.0	2223.9	2162.3	2074.5	2031.6
33°	2243.8	2274.1	2209.3	2141.4	2055.7	2008.6
34°	2230.2	2262.6	2189.4	2111.1	2018.1	1968.9
35°	2206.2	2246.9	2178.0	2093.3	1987.7	1939.7
36°	2186.3	2226.0	2153.9	2070.3	1950.1	1913.5
37°	2171.7	2212.4	2134.1	2040.0	1927.1	1870.7
38°	2147.6	2197.8	2122.6	2020.1	1894.7	1839.3
39°	2127.8	2178.0	2109.0	1995.1	1854.0	1812.2
40°	2111.1	2165.4	2078.7	1966.8	1829.9	1768.3
41°	2086.0	2140.3	2064.0	1948.0	1797.5	1731.7
42°	2066.1	2119.4	2037.9	1915.6	1756.8	1705.6



TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1999.2	2047.3	1973.1	1834.1	1658.5	1583.3
46°	1982.5	2029.5	1952.2	1808.0	1631.4	1554.0
47°	1957.4	2012.8	1934.4	1787.1	1597.9	1506.0
48°	1928.2	1991.9	1911.5	1752.6	1560.3	1468.3
49°	1911.5	1963.7	1881.1	1726.5	1517.5	1440.1
50°	1883.2	1947.0	1864.4	1704.5	1492.4	1390.0
51°	1856.1	1924.0	1839.3	1668.0	1456.8	1351.3
52°	1838.3	1894.7	1809.0	1639.7	1413.0	1322.0
53°	1810.1	1882.2	1792.3	1617.8	1384.7	1271.9
54°	1779.8	1852.9	1766.2	1587.5	1351.3	1231.1
55°	1759.9	1826.8	1734.8	1551.9	1307.4	1201.8
56°	1735.9	1808.0	1717.1	1530.0	1280.2	1150.6
57°	1702.4	1775.6	1692.0	1500.7	1245.7	1108.8
58°	1681.5	1750.5	1659.6	1464.2	1202.9	1078.5
59°	1657.5	1728.6	1647.0	1442.2	1175.7	1038.8
60°	1628.2	1694.1	1614.7	1414.0	1141.2	986.6
61°	1609.4	1664.8	1585.4	1377.4	1116.1	956.2
62°	1568.7	1638.7	1565.5	1348.2	1074.3	915.5
63°	1536.3	1597.9	1527.9	1327.3	1036.7	864.3
64°	1495.5	1562.4	1495.5	1289.6	1004.3	832.9
65°	1468.3	1535.2	1470.4	1260.4	978.2	791.1
66°	1432.8	1490.3	1428.6	1237.4	936.4	741.0
67°	1386.8	1447.4	1392.0	1206.0	904.0	709.6
68°	1357.6	1420.3	1364.9	1165.3	877.9	668.9
69°	1319.9	1370.1	1315.8	1140.2	836.1	617.6
70°	1268.7	1326.2	1276.0	1106.7	803.7	596.7
71°	1236.3	1293.8	1245.7	1061.8	777.5	545.5
72°	1195.6	1249.9	1206.0	1034.6	737.8	504.8
73°	1152.7	1196.6	1151.7	999.1	703.3	474.5
74°	1121.4	1154.8	1119.3	951.0	680.3	424.3
75°	1068.1	1123.5	1077.5	921.8	640.6	384.6
76°	1027.3	1070.2	1024.2	883.1	608.2	356.4
77°	996.0	1037.8	992.8	831.9	585.2	308.3
78°	942.7	996.0	951.0	801.6	553.9	298.9
79°	899.8	945.8	899.8	760.8	513.1	245.6
80°	868.5	913.4	869.5	720.1	486.0	202.7
81°	817.3	872.6	828.7	689.8	452.5	170.3
82°	776.5	822.5	777.5	638.5	407.6	146.3
83°	747.2	802.6	748.3	598.8	378.3	117.0
84°	698.1	753.5	710.7	569.6	343.8	83.6
85°	660.5	715.9	674.1	519.4	316.7	65.8
86°	632.3	678.3	628.1	491.2	273.8	40.8
87°	595.7	641.7	602.0	455.7	240.4	25.1



TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	491.2	540.3	495.4	358.5	162.0	4.2
91°	472.4	527.8	476.6	341.7	155.7	3.1
92°	465.1	520.5	464.0	332.3	145.3	4.2
93°	449.4	505.8	456.7	326.1	139.0	4.2
94°	441.0	496.4	445.2	314.6	123.3	3.1
95°	434.8	489.1	432.7	305.2	89.9	2.1
96°	426.4	476.6	425.3	298.9	54.3	3.1
97°	417.0	465.1	415.9	290.5	49.1	3.1
98°	409.7	456.7	402.4	257.1	59.6	3.1
99°	397.1	443.1	396.1	205.9	72.1	2.1
100°	378.3	431.6	384.6	118.1	67.9	2.1
101°	339.7	415.9	339.7	65.8	66.9	2.1
102°	212.2	350.1	279.0	61.7	63.7	2.1
103°	139.0	229.9	156.8	57.5	59.6	2.1
104°	83.6	151.5	66.9	84.7	56.4	2.1
105°	69.0	72.1	58.5	123.3	52.3	2.1
106°	69.0	65.8	54.3	176.6	52.3	2.1
107°	65.8	63.7	51.2	173.5	46.0	1.0
108°	63.7	61.7	58.5	171.4	39.7	2.1
109°	83.6	82.6	119.1	158.9	36.6	1.0
110°	136.9	126.5	187.1	151.5	31.4	2.1
111°	201.7	196.5	233.1	147.4	17.8	2.1
112°	240.4	273.8	235.1	140.0	11.5	2.1
113°	233.1	273.8	225.7	132.7	8.4	2.1
114°	225.7	263.4	218.4	127.5	5.2	2.1
115°	216.3	250.8	211.1	119.1	5.2	1.0
116°	210.1	244.5	200.7	112.9	4.2	1.0
117°	199.6	233.1	194.4	107.6	4.2	1.0
118°	192.3	224.7	187.1	98.2	3.1	2.1
119°	185.0	218.4	177.7	93.0	3.1	1.0
120°	176.6	206.9	170.3	88.8	3.1	1.0
121°	168.3	196.5	163.0	80.5	3.1	2.1
122°	160.9	188.1	152.6	74.2	3.1	2.1
123°	152.6	177.7	146.3	69.0	2.1	1.0
124°	142.1	168.3	138.0	62.7	2.1	1.0
125°	136.9	162.0	131.7	48.1	3.1	1.0
126°	126.5	151.5	125.4	36.6	2.1	2.1
127°	118.1	141.1	115.0	18.8	2.1	2.1
128°	111.8	135.9	106.6	10.4	2.1	1.0
129°	104.5	122.3	100.3	8.4	2.1	2.1
130°	95.1	115.0	90.9	7.3	2.1	2.1
131°	88.8	108.7	82.6	6.3	1.0	2.1
132°	80.5	99.3	76.3	5.2	3.1	2.1



TEST NUMBER: P579285
 CATALOG NUMBER: 8ST2L8040

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	31.4	65.8	24.0	3.1	2.1	2.1
136°	15.7	38.7	11.5	3.1	3.1	3.1
137°	11.5	24.0	9.4	3.1	3.1	2.1
138°	10.4	14.6	10.4	3.1	4.2	3.1
139°	8.4	11.5	9.4	3.1	4.2	3.1
140°	7.3	9.4	6.3	4.2	3.1	3.1
141°	6.3	8.4	5.2	3.1	4.2	3.1
142°	5.2	7.3	5.2	4.2	4.2	4.2
143°	4.2	6.3	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	6.3	5.2	5.2	6.3	5.2
147°	5.2	5.2	6.3	6.3	6.3	5.2
148°	5.2	6.3	7.3	6.3	5.2	6.3
149°	5.2	6.3	6.3	6.3	6.3	6.3
150°	6.3	7.3	6.3	7.3	7.3	7.3
151°	7.3	6.3	7.3	7.3	7.3	7.3
152°	7.3	7.3	7.3	8.4	7.3	6.3
153°	7.3	6.3	7.3	8.4	8.4	8.4
154°	7.3	8.4	8.4	7.3	7.3	8.4
155°	7.3	8.4	8.4	8.4	8.4	8.4
156°	7.3	9.4	8.4	9.4	9.4	8.4
157°	8.4	9.4	10.4	9.4	9.4	9.4
158°	9.4	8.4	8.4	9.4	10.4	9.4
159°	9.4	9.4	8.4	9.4	10.4	10.4
160°	8.4	9.4	10.4	10.4	10.4	10.4
161°	10.4	10.4	10.4	10.4	10.4	10.4
162°	9.4	9.4	10.4	11.5	11.5	11.5
163°	10.4	11.5	11.5	11.5	11.5	11.5
164°	10.4	10.4	11.5	11.5	12.5	12.5
165°	9.4	11.5	12.5	12.5	12.5	13.6
166°	11.5	11.5	12.5	12.5	13.6	12.5
167°	11.5	12.5	12.5	13.6	13.6	13.6
168°	12.5	12.5	13.6	13.6	14.6	13.6
169°	13.6	13.6	14.6	14.6	14.6	14.6
170°	13.6	13.6	13.6	13.6	14.6	14.6
171°	13.6	14.6	14.6	13.6	14.6	15.7
172°	13.6	15.7	14.6	14.6	14.6	15.7
173°	14.6	15.7	14.6	15.7	14.6	16.7
174°	14.6	15.7	15.7	15.7	15.7	15.7
175°	15.7	15.7	15.7	15.7	15.7	16.7
176°	15.7	15.7	14.6	15.7	16.7	15.7
177°	14.6	15.7	16.7	15.7	15.7	16.7



TEST NUMBER: P579285
CATALOG NUMBER: 8ST2L8040

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



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







43°	1659.6	1687.8	1863.4	2014.9	2056.7	1983.6	1850.8	1693.0	1645.0	1669.0	1884.3
44°	1620.9	1657.5	1832.0	1991.9	2031.6	1955.3	1816.4	1666.9	1597.9	1639.7	1860.2



88°	16.7	206.9	403.4	520.5	580.0	529.9	381.5	199.6	17.8	218.4	443.1
89°	7.3	179.8	373.1	499.5	542.4	504.8	362.6	173.5	9.4	182.9	418.0



133°	2.1	2.1	4.2	67.9	94.1	73.2	5.2	4.2	3.1	3.1	5.2
134°	2.1	3.1	3.1	50.2	83.6	53.3	4.2	2.1	2.1	3.1	5.2



178°	15.7	15.7	16.7	16.7	16.7	14.6	15.7	15.7	15.7	15.7	14.6
179°	16.7	16.7	15.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	15.7





43°	2049.4	2094.3	2020.1	1887.4	1730.7	1659.6
44°	2020.1	2078.7	2000.3	1868.6	1699.3	1620.9



88°	550.8	604.1	566.4	414.9	202.7	16.7
89°	524.6	576.9	539.3	390.9	182.9	7.3



133°	65.8	88.8	56.4	5.2	3.1	2.1
134°	53.3	82.6	36.6	4.2	2.1	2.1



178°	15.7	16.7	16.7	16.7	15.7	15.7
179°	16.7	16.7	15.7	15.7	16.7	16.7



(END OF REPORT)