

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: P#

Luminaire Tested: **8SNLED-LD5-120SL-LW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33520)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

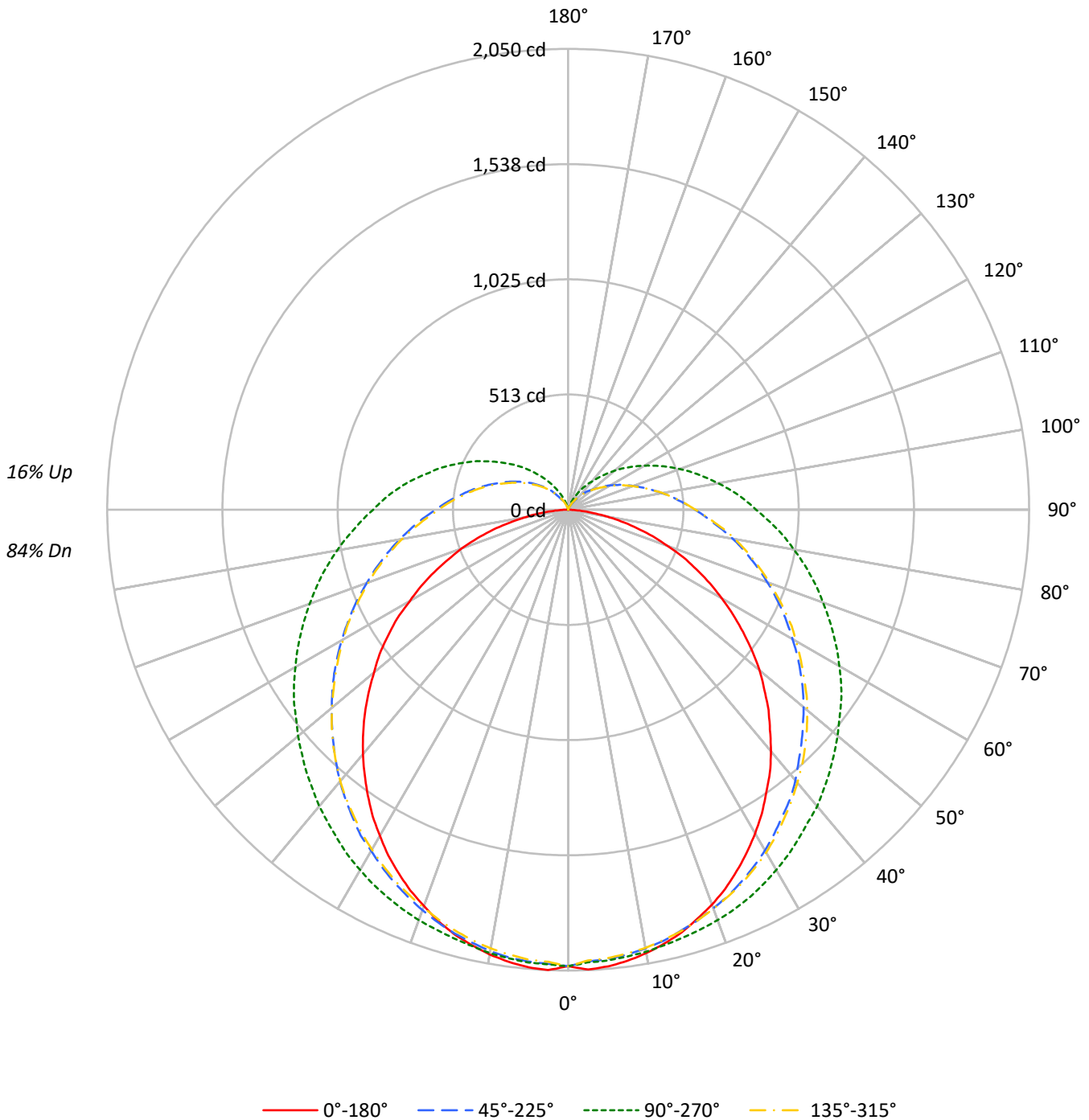
Lumens per Lamp: N/A
Luminaire Lumens: 8822.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 92
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: P#
CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84
1	102	96	91	86	98	92	87	83	85	81	77	78	75	72	72	70	67	64
2	92	82	74	68	87	79	72	66	73	67	62	67	62	58	62	58	54	51
3	83	71	62	55	79	69	60	54	63	56	51	58	52	48	54	49	45	42
4	76	63	53	46	72	60	52	45	56	48	42	51	45	40	47	42	38	35
5	69	56	46	39	66	54	45	38	50	42	36	46	39	34	42	37	33	30
6	64	50	41	34	61	48	39	33	45	37	31	41	35	30	38	33	28	26
7	59	45	36	30	56	43	35	29	40	33	28	38	31	26	35	29	25	23
8	55	41	32	26	52	40	31	26	37	30	24	34	28	23	32	26	22	20
9	51	37	29	23	49	36	28	23	34	27	22	32	25	21	30	24	20	18
10	48	34	26	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8205	8205	8205	8205
5°	8259	7907	8277	7940
10°	8194	7682	8220	7707
15°	8110	7490	8146	7498
20°	7995	7349	8022	7349
25°	7849	7225	7897	7216
30°	7686	7096	7745	7096
35°	7493	6978	7577	6986
40°	7304	6908	7393	6908
45°	7086	6834	7194	6843
50°	6860	6791	6953	6809
55°	6539	6797	6745	6827
60°	6202	6818	6404	6860
65°	5825	6887	6083	6955
70°	5289	7013	5702	7113
75°	4676	7242	5119	7381
80°	3708	7582	4213	7757
85°	2360	8127	2950	8353



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	2.2
10°-20°	552.8	6.3
20°-30°	847.6	9.6
30°-40°	1045.7	11.9
40°-50°	1134.5	12.9
50°-60°	1118.2	12.7
60°-70°	1011.0	11.5
70°-80°	842.2	9.5
80°-90°	652.3	7.4
90°-100°	494.7	5.6
100°-110°	366.1	4.1
110°-120°	254.7	2.9
120°-130°	162.5	1.8
130°-140°	91.2	1.0
140°-150°	41.6	0.5
150°-160°	12.9	0.1
160°-170°	1.6	0.0
170°-180°	0.0	0.0
0°-30°	1592.8	18.1
0°-40°	2638.5	29.9
0°-60°	4891.1	55.4
0°-90°	7396.7	83.8
90°-120°	1115.5	12.6
90°-150°	1410.8	16.0
90°-180°	1425.0	16.2
0°-180°	8822.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2031	2031	2031	2031	2031	
5°	2039	2013	2043	2022	2039	193
15°	1947	1971	1956	1973	1947	549
25°	1774	1904	1784	1902	1774	817
35°	1536	1786	1553	1788	1536	962
45°	1260	1645	1279	1647	1260	970
55°	949	1482	979	1489	949	849
65°	630	1300	658	1313	630	624
75°	317	1114	347	1135	317	336
85°	60	928	75	953	60	72
90°	2	835	4	868	2	3
95°	2	758	2	795	2	2
105°	2	602	2	638	2	2
115°	2	458	2	499	2	2
125°	2	330	2	366	2	2
135°	2	214	2	253	2	2
145°	2	124	2	152	2	1
155°	2	51	2	71	2	1
165°	2	9	2	13	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2047.7	2047.7	2045.6	2041.3	2043.4	2049.8	2045.6	2034.8	2028.4	2011.3	2015.6
5°	2039.1	2039.1	2037.0	2032.7	2034.8	2043.4	2039.1	2030.6	2022.0	2007.0	2013.4
7.5°	2024.1	2024.1	2022.0	2017.7	2022.0	2030.6	2026.3	2017.7	2011.3	1996.3	2002.7
10°	2002.7	2004.9	2002.7	1996.3	2004.9	2013.4	2011.3	2000.6	1994.2	1981.3	1987.7
12.5°	1977.0	1979.2	1977.0	1974.9	1979.2	1992.0	1987.7	1979.2	1974.9	1964.2	1970.6
15°	1947.0	1949.2	1944.9	1944.9	1949.2	1962.0	1962.0	1953.5	1949.2	1938.5	1951.3
17.5°	1908.5	1910.6	1908.5	1908.5	1912.8	1925.6	1927.8	1923.5	1919.2	1914.9	1927.8
20°	1869.9	1867.8	1867.8	1865.6	1874.2	1893.5	1891.3	1891.3	1887.1	1887.1	1902.0
22.5°	1824.9	1824.9	1822.8	1822.8	1833.5	1850.6	1850.6	1854.9	1850.6	1859.2	1872.1
25°	1773.5	1775.7	1773.5	1777.8	1786.4	1805.7	1807.8	1814.2	1816.4	1824.9	1839.9
27.5°	1720.0	1722.1	1720.0	1724.3	1739.3	1754.3	1765.0	1773.5	1775.7	1788.5	1807.8
30°	1662.2	1662.2	1664.3	1668.6	1685.7	1709.3	1717.8	1728.6	1728.6	1750.0	1769.2
32.5°	1602.2	1602.2	1602.2	1610.7	1630.0	1657.9	1668.6	1681.4	1685.7	1707.1	1728.6
35°	1535.8	1537.9	1537.9	1544.3	1570.0	1597.9	1612.9	1627.9	1636.4	1662.2	1683.6
37.5°	1473.7	1477.9	1471.5	1480.1	1516.5	1540.1	1557.2	1572.2	1587.2	1621.5	1638.6
40°	1403.0	1407.3	1405.1	1422.3	1452.2	1482.2	1501.5	1516.5	1537.9	1572.2	1591.5
42.5°	1328.0	1332.3	1336.6	1355.9	1388.0	1418.0	1441.5	1460.8	1486.5	1516.5	1548.6
45°	1259.5	1259.5	1265.9	1289.5	1323.7	1355.9	1383.7	1405.1	1435.1	1467.2	1499.4
47.5°	1182.4	1184.5	1193.1	1220.9	1257.3	1295.9	1321.6	1349.4	1381.6	1415.8	1452.2
50°	1111.7	1111.7	1124.5	1154.5	1188.8	1231.6	1259.5	1291.6	1325.9	1366.6	1403.0
52.5°	1030.3	1034.6	1053.8	1081.7	1126.7	1165.2	1197.3	1231.6	1272.3	1315.2	1355.9
55°	948.9	957.5	972.4	1011.0	1058.1	1094.5	1133.1	1175.9	1214.5	1261.6	1308.7
57.5°	869.6	876.1	899.6	938.2	987.4	1032.4	1073.1	1113.8	1160.9	1208.1	1257.3
60°	788.2	796.8	824.6	863.2	916.8	963.9	1011.0	1053.8	1103.1	1152.4	1203.8
62.5°	711.1	717.6	749.7	794.7	848.2	899.6	946.7	998.1	1051.7	1098.8	1150.2
65°	629.7	640.4	676.9	717.6	779.7	831.1	884.6	940.3	996.0	1047.4	1096.7
67.5°	554.8	561.2	599.7	646.9	709.0	766.8	822.5	882.5	940.3	993.9	1043.1
70°	466.9	488.4	526.9	576.2	642.6	702.6	762.5	824.6	886.8	942.5	989.6
72.5°	394.1	411.3	454.1	507.6	571.9	642.6	704.7	771.1	833.2	891.0	940.3
75°	317.0	334.1	383.4	443.4	509.8	584.8	649.0	717.6	781.8	839.6	891.0
77.5°	242.0	263.5	317.0	379.1	452.0	529.1	595.5	664.0	730.4	792.5	843.9
80°	173.5	197.1	254.9	325.6	396.3	473.4	546.2	614.7	681.1	743.3	796.8
82.5°	111.4	137.1	199.2	269.9	344.9	422.0	496.9	565.5	631.9	694.0	749.7
85°	60.0	87.8	152.1	222.8	297.7	374.8	449.8	522.6	586.9	644.7	704.7
87.5°	17.1	51.4	113.5	184.2	261.3	332.0	404.8	477.7	541.9	604.0	657.6
90°	2.1	30.0	85.7	152.1	227.0	295.6	368.4	437.0	501.2	563.3	616.9
92.5°	2.1	19.3	66.4	126.4	194.9	265.6	338.4	404.8	464.8	526.9	580.5
95°	2.1	15.0	53.5	107.1	171.4	237.8	306.3	370.6	432.7	490.5	544.1
97.5°	2.1	10.7	42.8	92.1	149.9	212.1	278.5	342.7	402.7	458.4	507.6
100°	2.1	8.6	34.3	79.3	130.7	190.6	250.6	312.7	370.6	424.1	475.5
102.5°	2.1	6.4	30.0	66.4	115.7	169.2	227.0	284.9	340.6	392.0	443.4
105°	2.1	6.4	25.7	57.8	102.8	152.1	205.6	261.3	312.7	362.0	409.1
107.5°	2.1	4.3	21.4	49.3	90.0	137.1	186.3	239.9	287.0	334.1	379.1
110°	2.1	4.3	17.1	45.0	79.3	122.1	169.2	218.5	263.5	308.4	351.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.1	4.3	15.0	38.6	68.5	109.2	152.1	197.1	239.9	284.9	323.4
115°	2.1	4.3	12.9	34.3	64.3	94.2	137.1	177.8	220.6	261.3	297.7
117.5°	2.1	4.3	10.7	27.8	55.7	85.7	119.9	160.6	199.2	237.8	272.0
120°	2.1	4.3	8.6	25.7	49.3	77.1	107.1	143.5	179.9	216.3	252.7
122.5°	2.1	2.1	8.6	21.4	42.8	68.5	98.5	126.4	160.6	194.9	227.0
125°	2.1	2.1	8.6	19.3	36.4	62.1	87.8	113.5	143.5	173.5	201.3
127.5°	2.1	2.1	6.4	15.0	32.1	53.5	77.1	105.0	126.4	154.2	182.1
130°	2.1	2.1	6.4	12.9	27.8	45.0	68.5	92.1	117.8	137.1	160.6
132.5°	2.1	2.1	6.4	10.7	21.4	36.4	57.8	79.3	102.8	124.2	143.5
135°	2.1	2.1	4.3	8.6	17.1	30.0	47.1	66.4	90.0	111.4	130.7
137.5°	2.1	2.1	4.3	8.6	12.9	25.7	36.4	53.5	75.0	94.2	113.5
140°	2.1	2.1	4.3	6.4	10.7	19.3	30.0	42.8	60.0	77.1	98.5
142.5°	2.1	2.1	2.1	6.4	8.6	15.0	23.6	34.3	47.1	62.1	79.3
145°	2.1	2.1	2.1	6.4	8.6	10.7	19.3	27.8	36.4	47.1	62.1
147.5°	2.1	2.1	2.1	4.3	6.4	8.6	15.0	21.4	27.8	36.4	45.0
150°	2.1	2.1	2.1	4.3	6.4	8.6	10.7	15.0	21.4	30.0	36.4
152.5°	2.1	2.1	2.1	4.3	4.3	6.4	8.6	10.7	15.0	21.4	25.7
155°	2.1	2.1	2.1	2.1	4.3	6.4	8.6	8.6	10.7	15.0	19.3
157.5°	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4	8.6	8.6	12.9
160°	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4	6.4	6.4
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3	6.4	6.4
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2015.6	2017.7	2024.1	2024.1	2019.9	2019.9	2017.7	2015.6	2017.7	2022.0	2022.0
5°	2011.3	2013.4	2019.9	2022.0	2017.7	2015.6	2015.6	2013.4	2015.6	2019.9	2019.9
7.5°	2002.7	2004.9	2011.3	2013.4	2009.1	2009.1	2007.0	2004.9	2009.1	2011.3	2011.3
10°	1989.9	1992.0	2000.6	2002.7	2000.6	1998.4	1998.4	1996.3	1998.4	2002.7	2002.7
12.5°	1972.7	1977.0	1987.7	1987.7	1987.7	1985.6	1985.6	1983.4	1985.6	1989.9	1987.7
15°	1953.5	1962.0	1970.6	1974.9	1974.9	1974.9	1972.7	1970.6	1974.9	1977.0	1974.9
17.5°	1932.0	1942.7	1955.6	1959.9	1959.9	1962.0	1959.9	1957.7	1962.0	1962.0	1959.9
20°	1910.6	1921.3	1934.2	1938.5	1942.7	1944.9	1944.9	1942.7	1944.9	1947.0	1944.9
22.5°	1882.8	1895.6	1910.6	1917.0	1921.3	1925.6	1925.6	1925.6	1927.8	1929.9	1925.6
25°	1852.8	1867.8	1884.9	1891.3	1899.9	1902.0	1904.2	1904.2	1906.3	1908.5	1902.0
27.5°	1820.7	1837.8	1854.9	1865.6	1872.1	1876.3	1876.3	1878.5	1880.6	1882.8	1876.3
30°	1782.1	1807.8	1822.8	1831.4	1839.9	1846.4	1848.5	1850.6	1852.8	1854.9	1848.5
32.5°	1747.8	1769.2	1788.5	1799.2	1809.9	1818.5	1820.7	1820.7	1824.9	1824.9	1818.5
35°	1707.1	1732.8	1752.1	1762.8	1775.7	1782.1	1786.4	1786.4	1790.7	1790.7	1784.2
37.5°	1666.4	1692.1	1713.6	1726.4	1741.4	1750.0	1752.1	1752.1	1756.4	1756.4	1747.8
40°	1623.6	1651.4	1675.0	1690.0	1702.8	1713.6	1715.7	1722.1	1722.1	1720.0	1711.4
42.5°	1580.8	1606.5	1632.2	1649.3	1666.4	1677.1	1681.4	1683.6	1683.6	1681.4	1675.0
45°	1533.6	1563.6	1587.2	1608.6	1625.7	1636.4	1642.9	1645.0	1645.0	1640.7	1634.3
47.5°	1488.7	1518.6	1542.2	1565.8	1582.9	1595.8	1602.2	1604.3	1602.2	1600.0	1593.6
50°	1441.5	1475.8	1499.4	1522.9	1540.1	1550.8	1561.5	1563.6	1561.5	1559.3	1546.5
52.5°	1392.3	1428.7	1454.4	1477.9	1497.2	1510.1	1518.6	1520.8	1520.8	1516.5	1507.9
55°	1343.0	1375.1	1407.3	1433.0	1454.4	1467.2	1477.9	1482.2	1477.9	1473.7	1462.9
57.5°	1298.0	1328.0	1360.1	1388.0	1409.4	1426.5	1435.1	1439.4	1435.1	1428.7	1418.0
60°	1244.5	1276.6	1313.0	1338.7	1362.3	1379.4	1383.7	1392.3	1388.0	1381.6	1370.8
62.5°	1193.1	1231.6	1263.7	1295.9	1315.2	1334.4	1343.0	1347.3	1343.0	1336.6	1325.9
65°	1139.5	1182.4	1214.5	1246.6	1268.0	1287.3	1298.0	1300.2	1295.9	1289.5	1278.7
67.5°	1090.3	1130.9	1165.2	1199.5	1218.8	1238.0	1248.8	1253.0	1248.8	1240.2	1229.5
70°	1041.0	1081.7	1122.4	1148.1	1171.6	1193.1	1199.5	1205.9	1201.6	1193.1	1180.2
72.5°	991.7	1034.6	1075.3	1101.0	1126.7	1145.9	1154.5	1160.9	1156.7	1148.1	1133.1
75°	940.3	985.3	1026.0	1053.8	1079.5	1098.8	1107.4	1113.8	1109.5	1101.0	1083.8
77.5°	893.2	938.2	976.7	1006.7	1032.4	1049.6	1064.5	1066.7	1062.4	1053.8	1036.7
80°	843.9	888.9	929.6	959.6	985.3	1002.4	1013.1	1019.6	1015.3	1006.7	989.6
82.5°	801.1	841.8	882.5	912.5	938.2	959.6	968.2	974.6	972.4	959.6	946.7
85°	754.0	801.1	833.2	865.3	891.0	912.5	918.9	927.5	925.3	914.6	897.5
87.5°	706.8	754.0	792.5	824.6	848.2	865.3	876.1	880.3	878.2	867.5	848.2
90°	668.3	711.1	749.7	784.0	803.2	822.5	833.2	835.4	835.4	822.5	807.5
92.5°	631.9	672.6	711.1	743.3	766.8	784.0	792.5	796.8	794.7	784.0	766.8
95°	591.2	636.2	672.6	704.7	728.3	745.4	754.0	758.2	756.1	745.4	728.3
97.5°	556.9	597.6	634.0	664.0	687.6	704.7	713.3	717.6	717.6	706.8	689.7
100°	522.6	563.3	597.6	627.6	649.0	666.1	674.7	676.9	674.7	666.1	649.0
102.5°	488.4	526.9	561.2	589.0	612.6	627.6	636.2	638.3	638.3	627.6	610.5
105°	454.1	492.6	524.8	554.8	574.0	589.0	595.5	601.9	599.7	591.2	574.0
107.5°	422.0	460.5	490.5	518.4	537.6	552.6	559.0	565.5	563.3	554.8	537.6
110°	392.0	428.4	456.2	484.1	501.2	516.2	526.9	529.1	524.8	516.2	501.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	364.1	396.3	424.1	449.8	469.1	479.8	488.4	492.6	488.4	479.8	469.1
115°	334.1	366.3	394.1	417.7	434.8	447.7	454.1	458.4	454.1	445.5	434.8
117.5°	306.3	336.3	364.1	387.7	402.7	413.4	419.8	424.1	419.8	413.4	402.7
120°	282.7	308.4	334.1	355.6	372.7	381.3	387.7	392.0	389.8	381.3	370.6
122.5°	254.9	282.7	306.3	327.7	342.7	351.3	355.6	359.8	357.7	351.3	340.6
125°	231.3	254.9	278.5	297.7	312.7	321.3	325.6	329.9	327.7	321.3	308.4
127.5°	205.6	231.3	250.6	269.9	280.6	293.4	295.6	299.9	297.7	291.3	280.6
130°	186.3	205.6	224.9	242.0	254.9	263.5	267.7	269.9	265.6	261.3	250.6
132.5°	162.8	184.2	201.3	216.3	224.9	233.5	237.8	239.9	239.9	233.5	224.9
135°	145.7	160.6	175.6	190.6	199.2	207.8	212.1	214.2	212.1	207.8	199.2
137.5°	130.7	143.5	154.2	167.1	177.8	182.1	186.3	186.3	184.2	182.1	175.6
140°	113.5	128.5	139.2	147.8	156.4	158.5	162.8	162.8	160.6	158.5	154.2
142.5°	96.4	109.2	119.9	130.7	137.1	141.4	143.5	145.7	143.5	141.4	134.9
145°	77.1	92.1	102.8	109.2	117.8	119.9	122.1	124.2	122.1	119.9	113.5
147.5°	60.0	72.8	83.5	92.1	98.5	100.7	102.8	105.0	102.8	98.5	96.4
150°	42.8	53.5	66.4	75.0	79.3	83.5	83.5	83.5	85.7	81.4	77.1
152.5°	34.3	38.6	47.1	55.7	62.1	64.3	66.4	66.4	64.3	64.3	60.0
155°	23.6	27.8	34.3	40.7	47.1	49.3	51.4	51.4	49.3	49.3	47.1
157.5°	15.0	19.3	23.6	27.8	34.3	36.4	38.6	38.6	38.6	36.4	34.3
160°	8.6	10.7	12.9	17.1	21.4	23.6	25.7	25.7	25.7	25.7	23.6
162.5°	6.4	6.4	6.4	8.6	10.7	12.9	15.0	15.0	15.0	15.0	12.9
165°	4.3	4.3	4.3	4.3	4.3	6.4	8.6	8.6	8.6	8.6	8.6
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2019.9	2019.9	2022.0	2017.7	2004.9	2007.0	2007.0	2015.6	2019.9	2022.0	2032.7
5°	2015.6	2015.6	2019.9	2013.4	2002.7	2002.7	2002.7	2011.3	2013.4	2017.7	2026.3
7.5°	2009.1	2009.1	2011.3	2004.9	1992.0	1992.0	1989.9	1998.4	2002.7	2004.9	2013.4
10°	1998.4	1998.4	2000.6	1994.2	1979.2	1979.2	1977.0	1983.4	1985.6	1989.9	1996.3
12.5°	1983.4	1983.4	1983.4	1977.0	1962.0	1959.9	1957.7	1964.2	1964.2	1966.3	1972.7
15°	1970.6	1966.3	1966.3	1959.9	1944.9	1940.6	1936.3	1938.5	1942.7	1940.6	1944.9
17.5°	1955.6	1951.3	1947.0	1940.6	1921.3	1914.9	1910.6	1912.8	1910.6	1908.5	1912.8
20°	1938.5	1932.0	1929.9	1919.2	1899.9	1889.2	1880.6	1876.3	1878.5	1872.1	1874.2
22.5°	1919.2	1910.6	1906.3	1893.5	1874.2	1861.4	1850.6	1842.1	1839.9	1831.4	1833.5
25°	1895.6	1884.9	1878.5	1867.8	1846.4	1831.4	1818.5	1805.7	1799.2	1788.5	1786.4
27.5°	1867.8	1857.1	1848.5	1837.8	1816.4	1797.1	1782.1	1765.0	1756.4	1743.5	1737.1
30°	1839.9	1827.1	1814.2	1805.7	1782.1	1760.7	1737.1	1722.1	1709.3	1694.3	1683.6
32.5°	1805.7	1792.8	1780.0	1767.1	1745.7	1720.0	1700.7	1677.1	1662.2	1645.0	1632.2
35°	1771.4	1754.3	1741.4	1724.3	1705.0	1675.0	1651.4	1627.9	1608.6	1589.3	1574.3
37.5°	1732.8	1720.0	1700.7	1685.7	1662.2	1632.2	1606.5	1576.5	1559.3	1533.6	1514.4
40°	1696.4	1681.4	1662.2	1642.9	1619.3	1585.0	1557.2	1522.9	1503.6	1473.7	1454.4
42.5°	1660.0	1638.6	1619.3	1597.9	1572.2	1540.1	1505.8	1471.5	1445.8	1418.0	1390.1
45°	1619.3	1595.8	1572.2	1548.6	1522.9	1490.8	1454.4	1418.0	1385.8	1360.1	1325.9
47.5°	1576.5	1552.9	1525.1	1499.4	1471.5	1439.4	1400.8	1362.3	1328.0	1298.0	1261.6
50°	1533.6	1510.1	1480.1	1452.2	1420.1	1388.0	1347.3	1302.3	1265.9	1227.3	1195.2
52.5°	1488.7	1465.1	1437.2	1400.8	1366.6	1334.4	1291.6	1244.5	1203.8	1171.6	1130.9
55°	1443.7	1420.1	1388.0	1351.6	1317.3	1276.6	1235.9	1188.8	1143.8	1105.2	1064.5
57.5°	1396.5	1375.1	1338.7	1308.7	1265.9	1223.1	1180.2	1135.2	1086.0	1041.0	993.9
60°	1349.4	1325.9	1291.6	1255.2	1212.3	1169.5	1124.5	1075.3	1023.9	974.6	931.7
62.5°	1306.6	1276.6	1244.5	1205.9	1160.9	1120.2	1068.8	1015.3	963.9	912.5	861.1
65°	1257.3	1225.2	1195.2	1156.7	1109.5	1062.4	1011.0	957.5	901.8	846.1	794.7
67.5°	1208.1	1175.9	1143.8	1105.2	1056.0	1006.7	953.2	899.6	837.5	784.0	724.0
70°	1158.8	1133.1	1092.4	1051.7	1006.7	953.2	899.6	841.8	777.5	719.7	657.6
72.5°	1109.5	1083.8	1043.1	1000.3	957.5	901.8	843.9	786.1	726.1	659.7	593.3
75°	1062.4	1030.3	993.9	953.2	908.2	850.4	792.5	732.5	661.9	599.7	531.2
77.5°	1017.4	987.4	951.0	906.0	856.8	801.1	741.1	679.0	608.3	541.9	466.9
80°	968.2	938.2	901.8	856.8	807.5	754.0	689.7	625.4	556.9	484.1	407.0
82.5°	921.0	893.2	852.5	811.8	758.2	704.7	640.4	576.2	503.4	432.7	357.7
85°	871.8	843.9	805.4	762.5	711.1	653.3	593.3	529.1	456.2	383.4	308.4
87.5°	828.9	796.8	758.2	715.4	664.0	608.3	550.5	481.9	411.3	340.6	263.5
90°	784.0	754.0	715.4	672.6	621.2	565.5	505.5	441.2	372.7	299.9	227.0
92.5°	745.4	713.3	676.9	634.0	582.6	529.1	469.1	404.8	338.4	267.7	197.1
95°	706.8	674.7	640.4	597.6	546.2	492.6	432.7	370.6	306.3	237.8	171.4
97.5°	664.0	636.2	601.9	561.2	509.8	458.4	400.5	340.6	278.5	212.1	149.9
100°	629.7	597.6	565.5	522.6	475.5	426.2	368.4	310.6	250.6	188.5	130.7
102.5°	591.2	561.2	529.1	488.4	441.2	392.0	338.4	282.7	227.0	169.2	113.5
105°	554.8	526.9	492.6	454.1	409.1	362.0	310.6	259.2	205.6	149.9	100.7
107.5°	518.4	490.5	458.4	422.0	379.1	332.0	284.9	233.5	184.2	134.9	90.0
110°	481.9	456.2	426.2	389.8	349.1	306.3	261.3	214.2	164.9	119.9	79.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	449.8	424.1	394.1	359.8	321.3	280.6	237.8	192.8	147.8	107.1	68.5
115°	417.7	394.1	364.1	334.1	295.6	257.0	216.3	173.5	132.8	96.4	60.0
117.5°	385.6	362.0	334.1	304.2	269.9	233.5	194.9	154.2	119.9	85.7	53.5
120°	353.4	332.0	306.3	278.5	248.5	212.1	173.5	139.2	107.1	75.0	47.1
122.5°	323.4	304.2	280.6	254.9	222.8	188.5	156.4	126.4	96.4	66.4	38.6
125°	295.6	276.3	254.9	229.2	199.2	169.2	141.4	113.5	83.5	57.8	32.1
127.5°	267.7	248.5	227.0	203.5	179.9	152.1	126.4	100.7	75.0	51.4	27.8
130°	239.9	222.8	203.5	184.2	160.6	134.9	113.5	87.8	64.3	40.7	23.6
132.5°	212.1	199.2	182.1	162.8	141.4	122.1	98.5	77.1	55.7	36.4	21.4
135°	188.5	175.6	160.6	143.5	126.4	107.1	85.7	66.4	47.1	30.0	17.1
137.5°	167.1	156.4	141.4	126.4	111.4	92.1	75.0	55.7	38.6	25.7	12.9
140°	147.8	137.1	124.2	109.2	96.4	79.3	62.1	45.0	34.3	21.4	10.7
142.5°	128.5	117.8	107.1	94.2	81.4	66.4	51.4	38.6	27.8	17.1	10.7
145°	109.2	100.7	90.0	79.3	66.4	53.5	42.8	32.1	21.4	12.9	8.6
147.5°	90.0	83.5	72.8	64.3	53.5	42.8	34.3	25.7	17.1	10.7	6.4
150°	72.8	66.4	57.8	49.3	42.8	34.3	27.8	19.3	12.9	10.7	6.4
152.5°	55.7	51.4	45.0	40.7	34.3	25.7	19.3	15.0	10.7	8.6	4.3
155°	45.0	40.7	36.4	30.0	25.7	19.3	15.0	10.7	8.6	6.4	4.3
157.5°	32.1	30.0	25.7	21.4	17.1	12.9	10.7	10.7	6.4	4.3	2.1
160°	21.4	19.3	17.1	12.9	10.7	10.7	8.6	6.4	4.3	4.3	2.1
162.5°	12.9	10.7	10.7	10.7	8.6	8.6	6.4	4.3	4.3	2.1	2.1
165°	8.6	8.6	8.6	6.4	6.4	6.4	4.3	2.1	2.1	2.1	2.1
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2032.7	2026.3	2034.8	2049.8	2052.0	2049.8	2045.6	2052.0	2060.6	2058.4	2043.4
5°	2028.4	2019.9	2028.4	2043.4	2043.4	2041.3	2039.1	2045.6	2054.1	2052.0	2039.1
7.5°	2015.6	2007.0	2015.6	2028.4	2030.6	2026.3	2026.3	2032.7	2041.3	2039.1	2028.4
10°	1998.4	1989.9	1994.2	2009.1	2013.4	2009.1	2009.1	2015.6	2026.3	2024.1	2011.3
12.5°	1972.7	1966.3	1970.6	1983.4	1987.7	1985.6	1983.4	1992.0	2002.7	2002.7	1989.9
15°	1944.9	1936.3	1940.6	1955.6	1957.7	1953.5	1955.6	1962.0	1974.9	1974.9	1964.2
17.5°	1912.8	1902.0	1908.5	1919.2	1921.3	1921.3	1921.3	1929.9	1944.9	1942.7	1934.2
20°	1876.3	1861.4	1865.6	1876.3	1880.6	1880.6	1880.6	1895.6	1906.3	1906.3	1897.8
22.5°	1833.5	1822.8	1822.8	1833.5	1839.9	1837.8	1837.8	1850.6	1865.6	1863.5	1863.5
25°	1784.2	1775.7	1771.4	1784.2	1786.4	1788.5	1792.8	1805.7	1822.8	1822.8	1824.9
27.5°	1732.8	1724.3	1722.1	1732.8	1735.0	1737.1	1741.4	1756.4	1773.5	1775.7	1780.0
30°	1683.6	1670.7	1666.4	1675.0	1679.3	1681.4	1681.4	1705.0	1720.0	1726.4	1735.0
32.5°	1625.7	1612.9	1602.2	1617.2	1619.3	1623.6	1625.7	1649.3	1666.4	1677.1	1690.0
35°	1567.9	1546.5	1542.2	1552.9	1557.2	1559.3	1563.6	1589.3	1612.9	1621.5	1638.6
37.5°	1503.6	1488.7	1475.8	1486.5	1490.8	1492.9	1505.8	1529.4	1552.9	1565.8	1582.9
40°	1443.7	1424.4	1413.7	1420.1	1424.4	1426.5	1441.5	1467.2	1495.1	1510.1	1531.5
42.5°	1377.3	1351.6	1343.0	1349.4	1351.6	1358.0	1370.8	1405.1	1433.0	1454.4	1471.5
45°	1310.9	1291.6	1272.3	1278.7	1280.9	1285.2	1304.4	1340.9	1370.8	1396.5	1415.8
47.5°	1242.3	1218.8	1199.5	1203.8	1212.3	1214.5	1235.9	1278.7	1306.6	1334.4	1360.1
50°	1173.8	1141.7	1126.7	1126.7	1130.9	1141.7	1169.5	1212.3	1242.3	1274.5	1302.3
52.5°	1103.1	1073.1	1056.0	1058.1	1062.4	1075.3	1101.0	1143.8	1178.1	1212.3	1246.6
55°	1032.4	1000.3	983.2	978.9	983.2	1000.3	1030.3	1075.3	1109.5	1150.2	1186.6
57.5°	961.7	923.2	908.2	901.8	906.0	927.5	957.5	1004.6	1047.4	1086.0	1128.8
60°	884.6	854.6	828.9	813.9	824.6	852.5	884.6	933.9	978.9	1021.7	1068.8
62.5°	818.2	779.7	751.8	736.8	747.5	771.1	816.1	863.2	912.5	961.7	1008.9
65°	743.3	704.7	672.6	657.6	668.3	696.1	741.1	792.5	846.1	895.3	951.0
67.5°	670.4	629.7	591.2	576.2	589.0	619.0	668.3	726.1	784.0	835.4	895.3
70°	599.7	554.8	514.1	503.4	511.9	552.6	599.7	657.6	717.6	777.5	839.6
72.5°	535.5	479.8	437.0	424.1	434.8	479.8	533.3	593.3	657.6	721.8	788.2
75°	460.5	409.1	362.0	347.0	359.8	400.5	466.9	531.2	599.7	668.3	730.4
77.5°	400.5	340.6	291.3	267.7	289.2	340.6	404.8	473.4	544.1	614.7	685.4
80°	338.4	276.3	222.8	197.1	220.6	276.3	340.6	415.5	494.8	565.5	629.7
82.5°	282.7	216.3	160.6	132.8	158.5	220.6	291.3	366.3	443.4	514.1	589.0
85°	231.3	162.8	105.0	75.0	111.4	167.1	242.0	319.2	398.4	471.2	544.1
87.5°	188.5	122.1	64.3	32.1	68.5	130.7	201.3	278.5	357.7	430.5	499.1
90°	154.2	87.8	34.3	4.3	40.7	98.5	167.1	242.0	317.0	392.0	460.5
92.5°	126.4	66.4	19.3	2.1	25.7	79.3	143.5	214.2	287.0	359.8	426.2
95°	105.0	51.4	12.9	2.1	19.3	62.1	122.1	190.6	259.2	329.9	396.3
97.5°	90.0	42.8	10.7	2.1	15.0	53.5	105.0	169.2	235.6	302.0	366.3
100°	77.1	34.3	8.6	2.1	12.9	45.0	92.1	149.9	212.1	276.3	338.4
102.5°	66.4	27.8	6.4	2.1	10.7	38.6	81.4	134.9	190.6	252.7	312.7
105°	57.8	23.6	6.4	2.1	8.6	34.3	72.8	119.9	175.6	231.3	289.2
107.5°	49.3	19.3	4.3	2.1	6.4	27.8	64.3	109.2	158.5	212.1	265.6
110°	42.8	17.1	4.3	2.1	6.4	25.7	55.7	98.5	143.5	192.8	244.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	36.4	12.9	4.3	2.1	4.3	21.4	49.3	87.8	130.7	175.6	224.9
115°	32.1	10.7	2.1	2.1	4.3	19.3	45.0	79.3	117.8	160.6	205.6
117.5°	25.7	8.6	2.1	2.1	2.1	15.0	38.6	70.7	107.1	147.8	188.5
120°	21.4	8.6	2.1	2.1	2.1	12.9	34.3	62.1	96.4	132.8	171.4
122.5°	19.3	6.4	2.1	2.1	2.1	10.7	30.0	55.7	85.7	119.9	156.4
125°	17.1	6.4	2.1	2.1	2.1	8.6	25.7	49.3	77.1	107.1	141.4
127.5°	12.9	6.4	2.1	2.1	2.1	6.4	23.6	42.8	68.5	96.4	126.4
130°	10.7	4.3	2.1	2.1	2.1	6.4	19.3	38.6	60.0	85.7	113.5
132.5°	8.6	4.3	2.1	2.1	2.1	4.3	15.0	30.0	51.4	75.0	100.7
135°	8.6	4.3	2.1	2.1	2.1	4.3	10.7	25.7	42.8	64.3	85.7
137.5°	8.6	2.1	2.1	2.1	2.1	4.3	8.6	19.3	34.3	51.4	70.7
140°	6.4	2.1	2.1	2.1	2.1	2.1	6.4	15.0	27.8	42.8	60.0
142.5°	6.4	2.1	2.1	2.1	2.1	2.1	6.4	10.7	21.4	34.3	47.1
145°	4.3	2.1	2.1	2.1	2.1	2.1	4.3	8.6	17.1	25.7	38.6
147.5°	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	12.9	21.4	30.0
150°	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.6	15.0	23.6
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4	10.7	15.0
155°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.6	10.7
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4	8.6
160°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2037.0	2022.0	2026.3	2024.1	2028.4	2034.8	2034.8	2032.7	2032.7	2028.4	2024.1
5°	2032.7	2017.7	2024.1	2022.0	2026.3	2032.7	2032.7	2030.6	2030.6	2024.1	2022.0
7.5°	2019.9	2009.1	2013.4	2013.4	2017.7	2024.1	2024.1	2022.0	2022.0	2015.6	2013.4
10°	2007.0	1994.2	2000.6	2000.6	2004.9	2013.4	2013.4	2011.3	2011.3	2004.9	2002.7
12.5°	1985.6	1972.7	1983.4	1985.6	1989.9	1998.4	1996.3	1996.3	1996.3	1989.9	1987.7
15°	1959.9	1951.3	1962.0	1964.2	1970.6	1981.3	1981.3	1981.3	1981.3	1974.9	1972.7
17.5°	1932.0	1925.6	1936.3	1940.6	1949.2	1959.9	1959.9	1962.0	1964.2	1959.9	1957.7
20°	1899.9	1895.6	1906.3	1914.9	1927.8	1938.5	1942.7	1944.9	1949.2	1944.9	1942.7
22.5°	1863.5	1863.5	1878.5	1887.1	1902.0	1912.8	1919.2	1925.6	1929.9	1925.6	1923.5
25°	1822.8	1829.2	1844.2	1859.2	1876.3	1887.1	1893.5	1902.0	1906.3	1904.2	1902.0
27.5°	1784.2	1792.8	1812.1	1827.1	1842.1	1859.2	1865.6	1876.3	1880.6	1880.6	1878.5
30°	1739.3	1752.1	1773.5	1790.7	1809.9	1827.1	1835.6	1846.4	1852.8	1848.5	1850.6
32.5°	1696.4	1717.8	1735.0	1754.3	1775.7	1792.8	1803.5	1816.4	1822.8	1820.7	1822.8
35°	1649.3	1670.7	1694.3	1713.6	1739.3	1756.4	1771.4	1782.1	1790.7	1788.5	1788.5
37.5°	1597.9	1625.7	1649.3	1675.0	1698.6	1717.8	1732.8	1745.7	1754.3	1754.3	1754.3
40°	1548.6	1578.6	1602.2	1632.2	1662.2	1679.3	1696.4	1709.3	1717.8	1720.0	1722.1
42.5°	1495.1	1527.2	1555.1	1587.2	1617.2	1638.6	1657.9	1672.9	1681.4	1685.7	1683.6
45°	1445.8	1475.8	1507.9	1544.3	1572.2	1593.6	1617.2	1634.3	1642.9	1645.0	1647.2
47.5°	1390.1	1424.4	1460.8	1497.2	1525.1	1552.9	1574.3	1591.5	1600.0	1606.5	1606.5
50°	1336.6	1373.0	1413.7	1452.2	1482.2	1510.1	1531.5	1550.8	1561.5	1565.8	1567.9
52.5°	1287.3	1321.6	1364.4	1403.0	1433.0	1460.8	1488.7	1510.1	1520.8	1525.1	1525.1
55°	1227.3	1270.2	1317.3	1353.7	1385.8	1418.0	1445.8	1467.2	1477.9	1484.4	1488.7
57.5°	1171.6	1216.6	1265.9	1304.4	1343.0	1373.0	1398.7	1426.5	1435.1	1443.7	1445.8
60°	1118.1	1163.1	1210.2	1253.0	1291.6	1323.7	1353.7	1377.3	1392.3	1396.5	1400.8
62.5°	1062.4	1109.5	1158.8	1201.6	1242.3	1280.9	1308.7	1330.1	1347.3	1353.7	1358.0
65°	1008.9	1058.1	1107.4	1152.4	1195.2	1233.8	1261.6	1283.0	1300.2	1310.9	1313.0
67.5°	951.0	1004.6	1056.0	1103.1	1145.9	1186.6	1214.5	1235.9	1253.0	1265.9	1268.0
70°	897.5	953.2	1004.6	1056.0	1098.8	1139.5	1169.5	1190.9	1210.2	1218.8	1223.1
72.5°	846.1	903.9	957.5	1008.9	1051.7	1092.4	1124.5	1145.9	1165.2	1175.9	1178.1
75°	796.8	854.6	912.5	961.7	1006.7	1047.4	1079.5	1103.1	1120.2	1130.9	1135.2
77.5°	747.5	807.5	865.3	914.6	961.7	1002.4	1030.3	1058.1	1075.3	1088.1	1088.1
80°	698.3	760.4	820.4	869.6	916.8	953.2	985.3	1013.1	1030.3	1043.1	1043.1
82.5°	655.4	715.4	773.2	822.5	869.6	910.3	942.5	968.2	987.4	996.0	998.1
85°	606.2	672.6	726.1	779.7	824.6	863.2	895.3	923.2	940.3	948.9	953.2
87.5°	565.5	629.7	687.6	734.7	779.7	818.2	854.6	878.2	895.3	906.0	910.3
90°	526.9	589.0	646.9	694.0	741.1	777.5	811.8	835.4	854.6	863.2	867.5
92.5°	492.6	554.8	610.5	657.6	702.6	743.3	775.4	798.9	816.1	824.6	831.1
95°	460.5	520.5	574.0	625.4	668.3	704.7	739.0	762.5	781.8	788.2	794.7
97.5°	428.4	486.2	539.8	589.0	634.0	668.3	700.4	724.0	739.0	749.7	756.1
100°	400.5	456.2	507.6	554.8	597.6	629.7	664.0	685.4	700.4	709.0	717.6
102.5°	370.6	426.2	475.5	520.5	565.5	595.5	627.6	649.0	661.9	676.9	676.9
105°	344.9	396.3	445.5	488.4	526.9	563.3	591.2	612.6	627.6	638.3	638.3
107.5°	317.0	368.4	415.5	460.5	496.9	531.2	556.9	576.2	593.3	599.7	606.2
110°	295.6	340.6	387.7	430.5	464.8	496.9	522.6	544.1	559.0	565.5	569.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	269.9	317.0	359.8	400.5	434.8	464.8	490.5	507.6	522.6	531.2	533.3
115°	248.5	293.4	332.0	370.6	407.0	432.7	456.2	473.4	488.4	494.8	499.1
117.5°	229.2	269.9	308.4	340.6	374.8	402.7	426.2	441.2	454.1	462.7	466.9
120°	209.9	248.5	282.7	314.9	347.0	372.7	394.1	409.1	424.1	430.5	430.5
122.5°	190.6	227.0	259.2	289.2	319.2	342.7	366.3	379.1	392.0	398.4	398.4
125°	173.5	207.8	237.8	265.6	293.4	314.9	334.1	349.1	362.0	366.3	366.3
127.5°	156.4	188.5	216.3	242.0	265.6	287.0	306.3	321.3	332.0	336.3	336.3
130°	141.4	169.2	194.9	220.6	244.2	261.3	280.6	293.4	299.9	306.3	308.4
132.5°	126.4	152.1	175.6	197.1	220.6	237.8	252.7	265.6	272.0	278.5	280.6
135°	111.4	134.9	156.4	177.8	197.1	214.2	227.0	237.8	246.3	250.6	252.7
137.5°	94.2	119.9	139.2	156.4	177.8	190.6	205.6	212.1	220.6	224.9	224.9
140°	79.3	98.5	119.9	137.1	154.2	167.1	179.9	190.6	197.1	199.2	199.2
142.5°	64.3	81.4	98.5	119.9	134.9	145.7	158.5	167.1	171.4	173.5	175.6
145°	51.4	64.3	79.3	98.5	115.7	128.5	134.9	143.5	147.8	149.9	152.1
147.5°	38.6	51.4	64.3	77.1	94.2	107.1	113.5	122.1	126.4	128.5	128.5
150°	30.0	38.6	47.1	60.0	72.8	87.8	96.4	102.8	105.0	107.1	107.1
152.5°	21.4	30.0	36.4	45.0	53.5	66.4	79.3	83.5	85.7	87.8	87.8
155°	15.0	21.4	25.7	32.1	38.6	49.3	60.0	66.4	68.5	70.7	70.7
157.5°	10.7	15.0	17.1	23.6	27.8	32.1	40.7	51.4	53.5	53.5	53.5
160°	6.4	8.6	10.7	15.0	17.1	21.4	25.7	32.1	38.6	38.6	38.6
162.5°	4.3	6.4	6.4	8.6	8.6	12.9	15.0	17.1	23.6	25.7	25.7
165°	2.1	4.3	4.3	4.3	4.3	4.3	6.4	6.4	10.7	12.9	12.9
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2026.3	2030.6	2028.4	2028.4	2028.4	2032.7	2028.4	2009.1	2013.4	2017.7	2022.0
5°	2024.1	2026.3	2026.3	2024.1	2024.1	2028.4	2024.1	2004.9	2009.1	2013.4	2015.6
7.5°	2015.6	2017.7	2017.7	2017.7	2015.6	2019.9	2013.4	1996.3	1996.3	2000.6	2002.7
10°	2004.9	2009.1	2007.0	2004.9	2004.9	2004.9	2000.6	1981.3	1981.3	1983.4	1985.6
12.5°	1992.0	1992.0	1992.0	1989.9	1987.7	1987.7	1983.4	1964.2	1962.0	1966.3	1964.2
15°	1974.9	1979.2	1974.9	1972.7	1968.4	1968.4	1962.0	1942.7	1938.5	1940.6	1938.5
17.5°	1959.9	1962.0	1957.7	1953.5	1949.2	1947.0	1940.6	1919.2	1912.8	1914.9	1910.6
20°	1944.9	1944.9	1940.6	1936.3	1929.9	1923.5	1914.9	1893.5	1882.8	1882.8	1874.2
22.5°	1925.6	1925.6	1921.3	1914.9	1908.5	1899.9	1891.3	1869.9	1852.8	1848.5	1842.1
25°	1904.2	1902.0	1899.9	1893.5	1880.6	1872.1	1863.5	1839.9	1820.7	1812.1	1801.4
27.5°	1878.5	1878.5	1872.1	1865.6	1852.8	1842.1	1831.4	1809.9	1784.2	1773.5	1758.5
30°	1850.6	1850.6	1844.2	1835.6	1822.8	1809.9	1797.1	1771.4	1745.7	1730.7	1713.6
32.5°	1822.8	1820.7	1814.2	1805.7	1792.8	1773.5	1762.8	1737.1	1707.1	1690.0	1666.4
35°	1788.5	1786.4	1780.0	1769.2	1752.1	1737.1	1720.0	1696.4	1662.2	1640.7	1615.0
37.5°	1754.3	1752.1	1747.8	1732.8	1715.7	1698.6	1677.1	1653.6	1621.5	1593.6	1567.9
40°	1720.0	1717.8	1709.3	1698.6	1677.1	1655.7	1634.3	1610.7	1576.5	1544.3	1516.5
42.5°	1683.6	1681.4	1670.7	1657.9	1634.3	1612.9	1587.2	1561.5	1527.2	1488.7	1460.8
45°	1647.2	1642.9	1632.2	1617.2	1591.5	1567.9	1542.2	1512.2	1477.9	1441.5	1405.1
47.5°	1608.6	1602.2	1591.5	1570.0	1548.6	1522.9	1492.9	1460.8	1426.5	1385.8	1347.3
50°	1565.8	1561.5	1548.6	1529.4	1503.6	1477.9	1443.7	1411.5	1370.8	1332.3	1285.2
52.5°	1525.1	1516.5	1505.8	1484.4	1458.7	1430.8	1394.4	1355.9	1315.2	1278.7	1229.5
55°	1482.2	1477.9	1462.9	1445.8	1413.7	1381.6	1347.3	1306.6	1261.6	1218.8	1171.6
57.5°	1441.5	1433.0	1420.1	1396.5	1368.7	1336.6	1300.2	1257.3	1208.1	1163.1	1111.7
60°	1400.8	1388.0	1373.0	1351.6	1321.6	1287.3	1248.8	1203.8	1154.5	1105.2	1051.7
62.5°	1355.9	1345.1	1328.0	1306.6	1276.6	1240.2	1199.5	1152.4	1105.2	1053.8	996.0
65°	1310.9	1300.2	1283.0	1261.6	1231.6	1190.9	1148.1	1101.0	1047.4	998.1	936.0
67.5°	1265.9	1255.2	1235.9	1212.3	1182.4	1143.8	1098.8	1049.6	996.0	942.5	878.2
70°	1220.9	1208.1	1190.9	1165.2	1135.2	1094.5	1049.6	998.1	944.6	886.8	822.5
72.5°	1175.9	1165.2	1143.8	1120.2	1088.1	1047.4	1002.4	951.0	895.3	835.4	771.1
75°	1130.9	1118.1	1103.1	1075.3	1041.0	1002.4	955.3	903.9	843.9	786.1	719.7
77.5°	1086.0	1075.3	1056.0	1028.1	996.0	955.3	908.2	856.8	796.8	736.8	666.1
80°	1041.0	1028.1	1013.1	987.4	951.0	910.3	861.1	809.7	749.7	687.6	616.9
82.5°	996.0	983.2	966.0	940.3	906.0	865.3	818.2	762.5	702.6	638.3	571.9
85°	951.0	940.3	921.0	895.3	858.9	818.2	771.1	721.8	657.6	593.3	526.9
87.5°	906.0	895.3	876.1	850.4	816.1	775.4	728.3	676.9	614.7	554.8	481.9
90°	863.2	854.6	835.4	809.7	775.4	734.7	691.8	636.2	576.2	516.2	447.7
92.5°	824.6	816.1	798.9	773.2	743.3	698.3	655.4	601.9	541.9	479.8	413.4
95°	790.4	779.7	762.5	739.0	702.6	664.0	621.2	567.6	509.8	447.7	383.4
97.5°	751.8	741.1	724.0	698.3	668.3	627.6	584.8	533.3	475.5	417.7	353.4
100°	713.3	702.6	683.3	661.9	631.9	591.2	550.5	499.1	445.5	389.8	327.7
102.5°	674.7	664.0	646.9	625.4	595.5	559.0	518.4	469.1	415.5	359.8	302.0
105°	638.3	627.6	610.5	589.0	561.2	524.8	481.9	439.1	387.7	334.1	278.5
107.5°	601.9	591.2	576.2	554.8	526.9	492.6	452.0	407.0	359.8	308.4	254.9
110°	565.5	556.9	539.8	520.5	492.6	458.4	422.0	379.1	332.0	284.9	233.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	531.2	522.6	505.5	484.1	460.5	428.4	392.0	351.3	306.3	261.3	212.1
115°	496.9	486.2	471.2	452.0	428.4	398.4	364.1	327.7	282.7	239.9	194.9
117.5°	462.7	454.1	439.1	419.8	398.4	368.4	336.3	302.0	259.2	218.5	177.8
120°	428.4	422.0	407.0	389.8	368.4	340.6	310.6	276.3	237.8	199.2	160.6
122.5°	396.3	389.8	374.8	359.8	338.4	312.7	284.9	252.7	218.5	182.1	147.8
125°	366.3	357.7	344.9	329.9	310.6	287.0	259.2	229.2	197.1	164.9	132.8
127.5°	334.1	327.7	319.2	302.0	282.7	261.3	235.6	209.9	179.9	149.9	119.9
130°	308.4	299.9	289.2	276.3	259.2	237.8	214.2	188.5	162.8	134.9	105.0
132.5°	278.5	269.9	261.3	248.5	233.5	214.2	192.8	169.2	145.7	119.9	94.2
135°	250.6	244.2	235.6	222.8	207.8	192.8	171.4	149.9	128.5	105.0	83.5
137.5°	224.9	218.5	209.9	201.3	186.3	171.4	152.1	132.8	113.5	92.1	72.8
140°	199.2	194.9	186.3	177.8	164.9	149.9	132.8	115.7	98.5	79.3	62.1
142.5°	173.5	169.2	162.8	154.2	143.5	130.7	115.7	100.7	83.5	68.5	53.5
145°	149.9	147.8	141.4	132.8	124.2	111.4	98.5	85.7	70.7	57.8	42.8
147.5°	126.4	124.2	119.9	113.5	105.0	94.2	83.5	70.7	60.0	47.1	34.3
150°	105.0	102.8	100.7	92.1	87.8	77.1	68.5	57.8	49.3	36.4	27.8
152.5°	85.7	85.7	81.4	75.0	70.7	62.1	55.7	47.1	38.6	30.0	21.4
155°	68.5	66.4	64.3	60.0	55.7	49.3	42.8	36.4	30.0	21.4	15.0
157.5°	53.5	51.4	49.3	45.0	40.7	38.6	32.1	25.7	19.3	15.0	10.7
160°	38.6	36.4	34.3	32.1	30.0	25.7	21.4	17.1	12.9	8.6	6.4
162.5°	25.7	23.6	23.6	21.4	19.3	15.0	12.9	10.7	8.6	6.4	4.3
165°	12.9	12.9	10.7	10.7	8.6	6.4	6.4	6.4	4.3	4.3	2.1
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2019.9	2019.9	2028.4	2026.3	2019.9	2032.7	2047.7
5°	2013.4	2013.4	2019.9	2019.9	2013.4	2026.3	2039.1
7.5°	2002.7	2000.6	2007.0	2007.0	1998.4	2009.1	2024.1
10°	1983.4	1981.3	1987.7	1987.7	1979.2	1989.9	2002.7
12.5°	1962.0	1957.7	1964.2	1962.0	1953.5	1964.2	1977.0
15°	1934.2	1932.0	1936.3	1932.0	1923.5	1934.2	1947.0
17.5°	1906.3	1899.9	1902.0	1902.0	1887.1	1897.8	1908.5
20°	1869.9	1861.4	1863.5	1861.4	1850.6	1857.1	1869.9
22.5°	1833.5	1820.7	1820.7	1818.5	1805.7	1814.2	1824.9
25°	1788.5	1773.5	1773.5	1771.4	1756.4	1762.8	1773.5
27.5°	1743.5	1728.6	1722.1	1720.0	1705.0	1705.0	1720.0
30°	1696.4	1675.0	1670.7	1664.3	1649.3	1649.3	1662.2
32.5°	1651.4	1621.5	1612.9	1604.3	1589.3	1587.2	1602.2
35°	1591.5	1567.9	1552.9	1544.3	1527.2	1522.9	1535.8
37.5°	1542.2	1512.2	1490.8	1480.1	1462.9	1456.5	1473.7
40°	1488.7	1456.5	1428.7	1422.3	1396.5	1388.0	1403.0
42.5°	1428.7	1394.4	1366.6	1353.7	1334.4	1325.9	1328.0
45°	1368.7	1332.3	1302.3	1285.2	1265.9	1250.9	1259.5
47.5°	1306.6	1274.5	1238.0	1212.3	1188.8	1178.1	1182.4
50°	1244.5	1205.9	1171.6	1143.8	1116.0	1103.1	1111.7
52.5°	1182.4	1141.7	1103.1	1073.1	1041.0	1028.1	1030.3
55°	1122.4	1079.5	1034.6	1002.4	972.4	953.2	948.9
57.5°	1062.4	1015.3	968.2	931.7	893.2	876.1	869.6
60°	998.1	948.9	899.6	856.8	816.1	796.8	788.2
62.5°	938.2	884.6	828.9	784.0	743.3	717.6	711.1
65°	880.3	818.2	762.5	711.1	666.1	638.3	629.7
67.5°	818.2	754.0	694.0	638.3	595.5	559.0	554.8
70°	760.4	691.8	625.4	567.6	520.5	484.1	466.9
72.5°	702.6	631.9	563.3	501.2	441.2	407.0	394.1
75°	646.9	574.0	501.2	437.0	370.6	329.9	317.0
77.5°	595.5	520.5	443.4	372.7	310.6	259.2	242.0
80°	546.2	469.1	387.7	314.9	248.5	192.8	173.5
82.5°	494.8	422.0	338.4	261.3	192.8	134.9	111.4
85°	449.8	377.0	293.4	216.3	147.8	85.7	60.0
87.5°	413.4	334.1	259.2	182.1	111.4	49.3	17.1
90°	377.0	299.9	224.9	149.9	83.5	27.8	2.1
92.5°	344.9	272.0	197.1	128.5	64.3	19.3	2.1
95°	314.9	244.2	173.5	107.1	51.4	12.9	2.1
97.5°	287.0	220.6	154.2	92.1	42.8	10.7	2.1
100°	263.5	199.2	137.1	81.4	36.4	8.6	2.1
102.5°	239.9	179.9	122.1	70.7	32.1	6.4	2.1
105°	220.6	162.8	109.2	64.3	27.8	6.4	2.1
107.5°	201.3	147.8	98.5	55.7	23.6	4.3	2.1
110°	182.1	134.9	87.8	49.3	21.4	4.3	2.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	167.1	122.1	79.3	45.0	17.1	4.3	2.1
115°	152.1	109.2	70.7	38.6	15.0	2.1	2.1
117.5°	137.1	98.5	62.1	34.3	12.9	2.1	2.1
120°	124.2	87.8	55.7	30.0	10.7	2.1	2.1
122.5°	111.4	79.3	49.3	25.7	8.6	2.1	2.1
125°	100.7	70.7	42.8	21.4	6.4	2.1	2.1
127.5°	90.0	62.1	38.6	19.3	6.4	2.1	2.1
130°	79.3	55.7	32.1	15.0	4.3	2.1	2.1
132.5°	70.7	47.1	27.8	12.9	4.3	2.1	2.1
135°	62.1	40.7	23.6	8.6	4.3	2.1	2.1
137.5°	53.5	34.3	19.3	6.4	2.1	2.1	2.1
140°	45.0	30.0	15.0	6.4	2.1	2.1	2.1
142.5°	38.6	23.6	10.7	4.3	2.1	2.1	2.1
145°	30.0	19.3	8.6	4.3	2.1	2.1	2.1
147.5°	23.6	15.0	6.4	4.3	2.1	2.1	2.1
150°	17.1	10.7	6.4	2.1	2.1	2.1	2.1
152.5°	12.9	8.6	4.3	2.1	2.1	2.1	2.1
155°	8.6	6.4	4.3	2.1	2.1	2.1	2.1
157.5°	6.4	4.3	2.1	2.1	2.1	2.1	2.1
160°	4.3	2.1	2.1	2.1	2.1	2.1	2.1
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
167.5°	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
172.5°	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
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)