

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-LD5-95SL-LW-UNV-L950-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-LD5-95SL-LW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

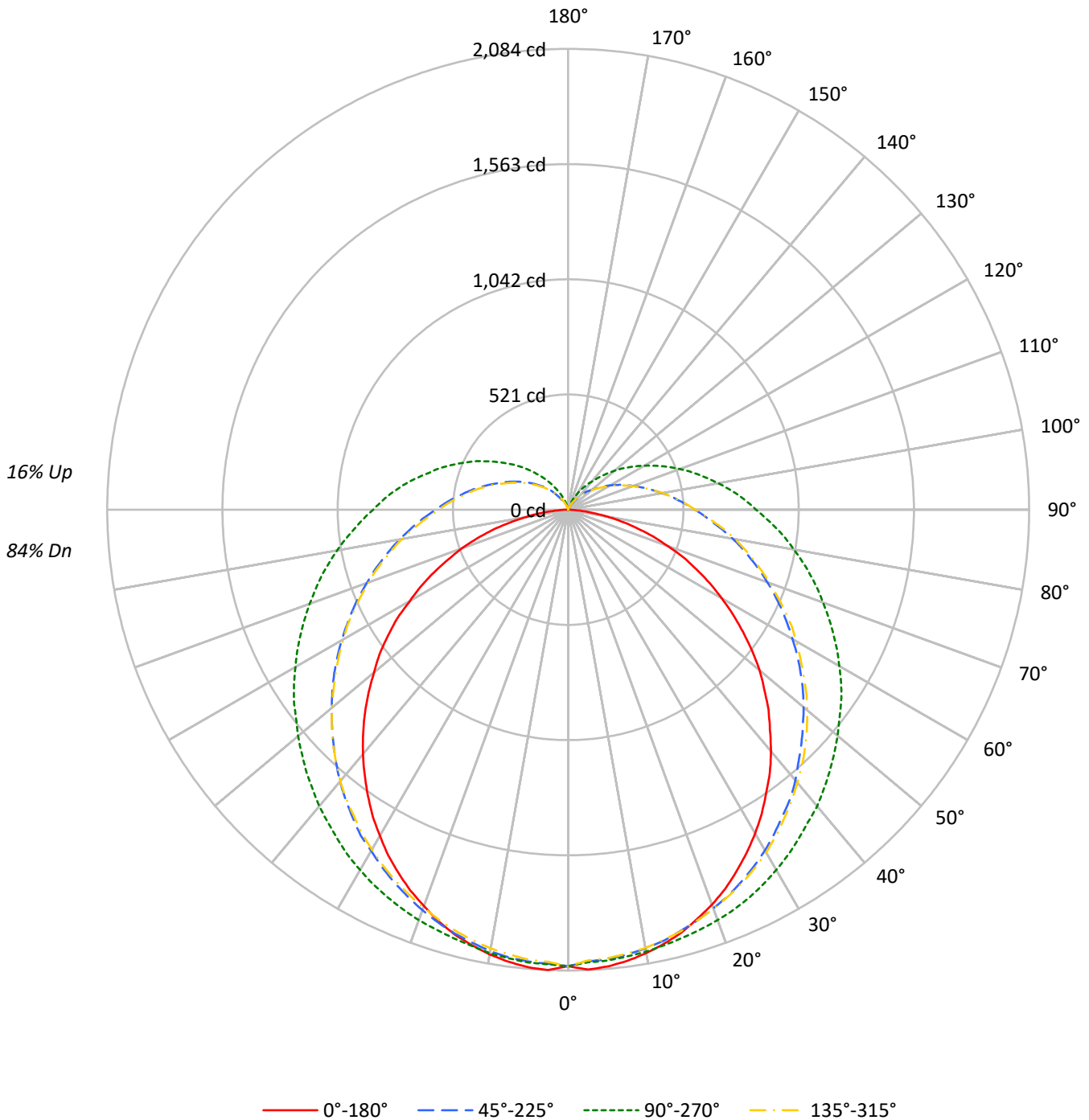
Lumens per Lamp: N/A
Luminaire Lumens: 8968.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 82
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-LD5-95SL-LW-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

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	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°	8340	8340	8340	8340
5°	8396	8038	8414	8072
10°	8330	7809	8357	7834
15°	8245	7614	8281	7622
20°	8127	7471	8155	7471
25°	7980	7344	8028	7336
30°	7813	7214	7873	7214
35°	7617	7093	7702	7101
40°	7425	7022	7516	7022
45°	7203	6947	7314	6956
50°	6974	6903	7068	6922
55°	6647	6910	6857	6940
60°	6305	6931	6510	6973
65°	5922	7001	6184	7070
70°	5377	7129	5796	7231
75°	4754	7362	5203	7504
80°	3770	7707	4281	7886
85°	2399	8261	2997	8490



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.5	2.2
10°-20°	562.0	6.3
20°-30°	861.6	9.6
30°-40°	1063.0	11.9
40°-50°	1153.3	12.9
50°-60°	1136.7	12.7
60°-70°	1027.7	11.5
70°-80°	856.2	9.5
80°-90°	663.1	7.4
90°-100°	502.9	5.6
100°-110°	372.2	4.2
110°-120°	258.9	2.9
120°-130°	165.2	1.8
130°-140°	92.7	1.0
140°-150°	42.3	0.5
150°-160°	13.1	0.1
160°-170°	1.7	0.0
170°-180°	0.0	0.0
0°-30°	1619.2	18.1
0°-40°	2682.1	29.9
0°-60°	4972.1	55.4
0°-90°	7519.1	83.8
90°-120°	1134.0	12.6
90°-150°	1434.2	16.0
90°-180°	1449.0	16.2
0°-180°	8968.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2064	2064	2064	2064	2064	
5°	2073	2047	2077	2056	2073	197
15°	1979	2003	1988	2005	1979	558
25°	1803	1936	1814	1934	1803	830
35°	1561	1816	1579	1818	1561	978
45°	1280	1672	1300	1674	1280	986
55°	965	1507	995	1513	965	863
65°	640	1322	668	1335	640	634
75°	322	1132	353	1154	322	341
85°	61	943	76	969	61	74
90°	2	849	4	882	2	3
95°	2	771	2	808	2	2
105°	2	612	2	649	2	2
115°	2	466	2	507	2	2
125°	2	335	2	372	2	2
135°	2	218	2	257	2	2
145°	2	126	2	155	2	1
155°	2	52	2	72	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-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2081.6	2081.6	2079.4	2075.1	2077.2	2083.8	2079.4	2068.5	2062.0	2044.6	2048.9
5°	2072.9	2072.9	2070.7	2066.3	2068.5	2077.2	2072.9	2064.2	2055.5	2040.2	2046.8
7.5°	2057.6	2057.6	2055.5	2051.1	2055.5	2064.2	2059.8	2051.1	2044.6	2029.3	2035.9
10°	2035.9	2038.0	2035.9	2029.3	2038.0	2046.8	2044.6	2033.7	2027.2	2014.1	2020.6
12.5°	2009.7	2011.9	2009.7	2007.6	2011.9	2025.0	2020.6	2011.9	2007.6	1996.7	2003.2
15°	1979.3	1981.4	1977.1	1977.1	1981.4	1994.5	1994.5	1985.8	1981.4	1970.5	1983.6
17.5°	1940.1	1942.2	1940.1	1940.1	1944.4	1957.5	1959.7	1955.3	1950.9	1946.6	1959.7
20°	1900.9	1898.7	1898.7	1896.5	1905.2	1924.8	1922.6	1922.6	1918.3	1918.3	1933.5
22.5°	1855.1	1855.1	1853.0	1853.0	1863.9	1881.3	1881.3	1885.6	1881.3	1890.0	1903.0
25°	1802.9	1805.1	1802.9	1807.2	1815.9	1835.5	1837.7	1844.3	1846.4	1855.1	1870.4
27.5°	1748.4	1750.6	1748.4	1752.8	1768.0	1783.3	1794.2	1802.9	1805.1	1818.1	1837.7
30°	1689.7	1689.7	1691.8	1696.2	1713.6	1737.6	1746.3	1757.2	1757.2	1778.9	1798.5
32.5°	1628.7	1628.7	1628.7	1637.4	1657.0	1685.3	1696.2	1709.3	1713.6	1735.4	1757.2
35°	1561.2	1563.4	1563.4	1569.9	1596.0	1624.3	1639.6	1654.8	1663.5	1689.7	1711.4
37.5°	1498.0	1502.4	1495.9	1504.6	1541.6	1565.5	1583.0	1598.2	1613.4	1648.3	1665.7
40°	1426.2	1430.5	1428.4	1445.8	1476.3	1506.8	1526.4	1541.6	1563.4	1598.2	1617.8
42.5°	1350.0	1354.3	1358.7	1378.3	1411.0	1441.4	1465.4	1485.0	1511.1	1541.6	1574.3
45°	1280.3	1280.3	1286.8	1310.8	1345.6	1378.3	1406.6	1428.4	1458.9	1491.5	1524.2
47.5°	1201.9	1204.1	1212.8	1241.1	1278.1	1317.3	1343.5	1371.8	1404.4	1439.3	1476.3
50°	1130.1	1130.1	1143.1	1173.6	1208.5	1252.0	1280.3	1313.0	1347.8	1389.2	1426.2
52.5°	1047.3	1051.7	1071.3	1099.6	1145.3	1184.5	1217.2	1252.0	1293.4	1336.9	1378.3
55°	964.6	973.3	988.5	1027.7	1075.6	1112.6	1151.8	1195.4	1234.6	1282.5	1330.4
57.5°	884.0	890.6	914.5	953.7	1003.8	1049.5	1090.9	1132.2	1180.1	1228.1	1278.1
60°	801.3	810.0	838.3	877.5	931.9	979.8	1027.7	1071.3	1121.4	1171.4	1223.7
62.5°	722.9	729.4	762.1	807.8	862.2	914.5	962.4	1014.7	1069.1	1117.0	1169.3
65°	640.2	651.0	688.1	729.4	792.6	844.8	899.3	955.9	1012.5	1064.7	1114.8
67.5°	563.9	570.5	609.7	657.6	720.7	779.5	836.1	897.1	955.9	1010.3	1060.4
70°	474.7	496.4	535.6	585.7	653.2	714.2	775.2	838.3	901.4	958.1	1006.0
72.5°	400.6	418.1	461.6	516.0	581.4	653.2	716.4	783.9	847.0	905.8	955.9
75°	322.3	339.7	389.8	450.7	518.2	594.4	659.8	729.4	794.7	853.5	905.8
77.5°	246.0	267.8	322.3	385.4	459.4	537.8	605.3	675.0	742.5	805.6	857.9
80°	176.4	200.3	259.1	331.0	402.8	481.2	555.2	624.9	692.4	755.6	810.0
82.5°	113.2	139.4	202.5	274.4	350.6	428.9	505.2	574.8	642.3	705.5	762.1
85°	61.0	89.3	154.6	226.4	302.7	381.0	457.3	531.3	596.6	655.4	716.4
87.5°	17.4	52.3	115.4	187.3	265.6	337.5	411.5	485.6	550.9	614.0	668.5
90°	2.2	30.5	87.1	154.6	230.8	300.5	374.5	444.2	509.5	572.7	627.1
92.5°	2.2	19.6	67.5	128.5	198.1	270.0	344.0	411.5	472.5	535.6	590.1
95°	2.2	15.2	54.4	108.9	174.2	241.7	311.4	376.7	439.8	498.6	553.1
97.5°	2.2	10.9	43.5	93.6	152.4	215.6	283.1	348.4	409.4	466.0	516.0
100°	2.2	8.7	34.8	80.6	132.8	193.8	254.8	317.9	376.7	431.1	483.4
102.5°	2.2	6.5	30.5	67.5	117.6	172.0	230.8	289.6	346.2	398.5	450.7
105°	2.2	6.5	26.1	58.8	104.5	154.6	209.0	265.6	317.9	368.0	415.9
107.5°	2.2	4.4	21.8	50.1	91.5	139.4	189.4	243.9	291.8	339.7	385.4
110°	2.2	4.4	17.4	45.7	80.6	124.1	172.0	222.1	267.8	313.5	357.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.2	4.4	15.2	39.2	69.7	111.0	154.6	200.3	243.9	289.6	328.8
115°	2.2	4.4	13.1	34.8	65.3	95.8	139.4	180.7	224.3	265.6	302.7
117.5°	2.2	4.4	10.9	28.3	56.6	87.1	121.9	163.3	202.5	241.7	276.5
120°	2.2	4.4	8.7	26.1	50.1	78.4	108.9	145.9	182.9	219.9	256.9
122.5°	2.2	2.2	8.7	21.8	43.5	69.7	100.2	128.5	163.3	198.1	230.8
125°	2.2	2.2	8.7	19.6	37.0	63.1	89.3	115.4	145.9	176.4	204.7
127.5°	2.2	2.2	6.5	15.2	32.7	54.4	78.4	106.7	128.5	156.8	185.1
130°	2.2	2.2	6.5	13.1	28.3	45.7	69.7	93.6	119.8	139.4	163.3
132.5°	2.2	2.2	6.5	10.9	21.8	37.0	58.8	80.6	104.5	126.3	145.9
135°	2.2	2.2	4.4	8.7	17.4	30.5	47.9	67.5	91.5	113.2	132.8
137.5°	2.2	2.2	4.4	8.7	13.1	26.1	37.0	54.4	76.2	95.8	115.4
140°	2.2	2.2	4.4	6.5	10.9	19.6	30.5	43.5	61.0	78.4	100.2
142.5°	2.2	2.2	2.2	6.5	8.7	15.2	24.0	34.8	47.9	63.1	80.6
145°	2.2	2.2	2.2	6.5	8.7	10.9	19.6	28.3	37.0	47.9	63.1
147.5°	2.2	2.2	2.2	4.4	6.5	8.7	15.2	21.8	28.3	37.0	45.7
150°	2.2	2.2	2.2	4.4	6.5	8.7	10.9	15.2	21.8	30.5	37.0
152.5°	2.2	2.2	2.2	4.4	4.4	6.5	8.7	10.9	15.2	21.8	26.1
155°	2.2	2.2	2.2	2.2	4.4	6.5	8.7	8.7	10.9	15.2	19.6
157.5°	2.2	2.2	2.2	2.2	4.4	4.4	6.5	6.5	8.7	8.7	13.1
160°	2.2	2.2	2.2	2.2	2.2	4.4	4.4	6.5	6.5	6.5	6.5
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	4.4	6.5	6.5
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	4.4
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-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2048.9	2051.1	2057.6	2057.6	2053.3	2053.3	2051.1	2048.9	2051.1	2055.5	2055.5
5°	2044.6	2046.8	2053.3	2055.5	2051.1	2048.9	2048.9	2046.8	2048.9	2053.3	2053.3
7.5°	2035.9	2038.0	2044.6	2046.8	2042.4	2042.4	2040.2	2038.0	2042.4	2044.6	2044.6
10°	2022.8	2025.0	2033.7	2035.9	2033.7	2031.5	2031.5	2029.3	2031.5	2035.9	2035.9
12.5°	2005.4	2009.7	2020.6	2020.6	2020.6	2018.4	2018.4	2016.3	2018.4	2022.8	2020.6
15°	1985.8	1994.5	2003.2	2007.6	2007.6	2007.6	2005.4	2003.2	2007.6	2009.7	2007.6
17.5°	1964.0	1974.9	1988.0	1992.3	1992.3	1994.5	1992.3	1990.1	1994.5	1994.5	1992.3
20°	1942.2	1953.1	1966.2	1970.5	1974.9	1977.1	1977.1	1974.9	1977.1	1979.3	1977.1
22.5°	1913.9	1927.0	1942.2	1948.8	1953.1	1957.5	1957.5	1957.5	1959.7	1961.8	1957.5
25°	1883.4	1898.7	1916.1	1922.6	1931.3	1933.5	1935.7	1935.7	1937.9	1940.1	1933.5
27.5°	1850.8	1868.2	1885.6	1896.5	1903.0	1907.4	1907.4	1909.6	1911.8	1913.9	1907.4
30°	1811.6	1837.7	1853.0	1861.7	1870.4	1876.9	1879.1	1881.3	1883.4	1885.6	1879.1
32.5°	1776.8	1798.5	1818.1	1829.0	1839.9	1848.6	1850.8	1850.8	1855.1	1855.1	1848.6
35°	1735.4	1761.5	1781.1	1792.0	1805.1	1811.6	1815.9	1815.9	1820.3	1820.3	1813.8
37.5°	1694.0	1720.1	1741.9	1755.0	1770.2	1778.9	1781.1	1781.1	1785.5	1785.5	1776.8
40°	1650.5	1678.8	1702.7	1718.0	1731.0	1741.9	1744.1	1750.6	1750.6	1748.4	1739.7
42.5°	1606.9	1633.0	1659.2	1676.6	1694.0	1704.9	1709.3	1711.4	1711.4	1709.3	1702.7
45°	1559.0	1589.5	1613.4	1635.2	1652.6	1663.5	1670.1	1672.2	1672.2	1667.9	1661.4
47.5°	1513.3	1543.8	1567.7	1591.7	1609.1	1622.2	1628.7	1630.9	1628.7	1626.5	1620.0
50°	1465.4	1500.2	1524.2	1548.1	1565.5	1576.4	1587.3	1589.5	1587.3	1585.1	1572.1
52.5°	1415.3	1452.3	1478.5	1502.4	1522.0	1535.1	1543.8	1546.0	1546.0	1541.6	1532.9
55°	1365.2	1397.9	1430.5	1456.7	1478.5	1491.5	1502.4	1506.8	1502.4	1498.0	1487.2
57.5°	1319.5	1350.0	1382.6	1411.0	1432.7	1450.1	1458.9	1463.2	1458.9	1452.3	1441.4
60°	1265.1	1297.7	1334.7	1360.9	1384.8	1402.2	1406.6	1415.3	1411.0	1404.4	1393.5
62.5°	1212.8	1252.0	1284.7	1317.3	1336.9	1356.5	1365.2	1369.6	1365.2	1358.7	1347.8
65°	1158.4	1201.9	1234.6	1267.2	1289.0	1308.6	1319.5	1321.7	1317.3	1310.8	1299.9
67.5°	1108.3	1149.7	1184.5	1219.3	1238.9	1258.5	1269.4	1273.8	1269.4	1260.7	1249.8
70°	1058.2	1099.6	1141.0	1167.1	1191.0	1212.8	1219.3	1225.9	1221.5	1212.8	1199.7
72.5°	1008.1	1051.7	1093.1	1119.2	1145.3	1164.9	1173.6	1180.1	1175.8	1167.1	1151.8
75°	955.9	1001.6	1043.0	1071.3	1097.4	1117.0	1125.7	1132.2	1127.9	1119.2	1101.8
77.5°	908.0	953.7	992.9	1023.4	1049.5	1066.9	1082.2	1084.3	1080.0	1071.3	1053.9
80°	857.9	903.6	945.0	975.5	1001.6	1019.0	1029.9	1036.4	1032.1	1023.4	1006.0
82.5°	814.3	855.7	897.1	927.6	953.7	975.5	984.2	990.7	988.5	975.5	962.4
85°	766.4	814.3	847.0	879.7	905.8	927.6	934.1	942.8	940.6	929.7	912.3
87.5°	718.5	766.4	805.6	838.3	862.2	879.7	890.6	894.9	892.7	881.8	862.2
90°	679.3	722.9	762.1	796.9	816.5	836.1	847.0	849.2	849.2	836.1	820.9
92.5°	642.3	683.7	722.9	755.6	779.5	796.9	805.6	810.0	807.8	796.9	779.5
95°	601.0	646.7	683.7	716.4	740.3	757.7	766.4	770.8	768.6	757.7	740.3
97.5°	566.1	607.5	644.5	675.0	698.9	716.4	725.1	729.4	729.4	718.5	701.1
100°	531.3	572.7	607.5	638.0	659.8	677.2	685.9	688.1	685.9	677.2	659.8
102.5°	496.4	535.6	570.5	598.8	622.7	638.0	646.7	648.9	648.9	638.0	620.6
105°	461.6	500.8	533.5	563.9	583.5	598.8	605.3	611.8	609.7	601.0	583.5
107.5°	428.9	468.1	498.6	526.9	546.5	561.8	568.3	574.8	572.7	563.9	546.5
110°	398.5	435.5	463.8	492.1	509.5	524.8	535.6	537.8	533.5	524.8	509.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	370.2	402.8	431.1	457.3	476.8	487.7	496.4	500.8	496.4	487.7	476.8
115°	339.7	372.3	400.6	424.6	442.0	455.1	461.6	466.0	461.6	452.9	442.0
117.5°	311.4	341.9	370.2	394.1	409.4	420.2	426.8	431.1	426.8	420.2	409.4
120°	287.4	313.5	339.7	361.4	378.9	387.6	394.1	398.5	396.3	387.6	376.7
122.5°	259.1	287.4	311.4	333.1	348.4	357.1	361.4	365.8	363.6	357.1	346.2
125°	235.2	259.1	283.1	302.7	317.9	326.6	331.0	335.3	333.1	326.6	313.5
127.5°	209.0	235.2	254.8	274.4	285.2	298.3	300.5	304.8	302.7	296.1	285.2
130°	189.4	209.0	228.6	246.0	259.1	267.8	272.2	274.4	270.0	265.6	254.8
132.5°	165.5	187.3	204.7	219.9	228.6	237.3	241.7	243.9	243.9	237.3	228.6
135°	148.1	163.3	178.5	193.8	202.5	211.2	215.6	217.7	215.6	211.2	202.5
137.5°	132.8	145.9	156.8	169.8	180.7	185.1	189.4	189.4	187.3	185.1	178.5
140°	115.4	130.6	141.5	150.2	158.9	161.1	165.5	165.5	163.3	161.1	156.8
142.5°	98.0	111.0	121.9	132.8	139.4	143.7	145.9	148.1	145.9	143.7	137.2
145°	78.4	93.6	104.5	111.0	119.8	121.9	124.1	126.3	124.1	121.9	115.4
147.5°	61.0	74.0	84.9	93.6	100.2	102.3	104.5	106.7	104.5	100.2	98.0
150°	43.5	54.4	67.5	76.2	80.6	84.9	84.9	84.9	87.1	82.7	78.4
152.5°	34.8	39.2	47.9	56.6	63.1	65.3	67.5	67.5	65.3	65.3	61.0
155°	24.0	28.3	34.8	41.4	47.9	50.1	52.3	52.3	50.1	50.1	47.9
157.5°	15.2	19.6	24.0	28.3	34.8	37.0	39.2	39.2	39.2	37.0	34.8
160°	8.7	10.9	13.1	17.4	21.8	24.0	26.1	26.1	26.1	26.1	24.0
162.5°	6.5	6.5	6.5	8.7	10.9	13.1	15.2	15.2	15.2	15.2	13.1
165°	4.4	4.4	4.4	4.4	4.4	6.5	8.7	8.7	8.7	8.7	8.7
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-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2053.3	2053.3	2055.5	2051.1	2038.0	2040.2	2040.2	2048.9	2053.3	2055.5	2066.3
5°	2048.9	2048.9	2053.3	2046.8	2035.9	2035.9	2035.9	2044.6	2046.8	2051.1	2059.8
7.5°	2042.4	2042.4	2044.6	2038.0	2025.0	2025.0	2022.8	2031.5	2035.9	2038.0	2046.8
10°	2031.5	2031.5	2033.7	2027.2	2011.9	2011.9	2009.7	2016.3	2018.4	2022.8	2029.3
12.5°	2016.3	2016.3	2016.3	2009.7	1994.5	1992.3	1990.1	1996.7	1996.7	1998.8	2005.4
15°	2003.2	1998.8	1998.8	1992.3	1977.1	1972.7	1968.4	1970.5	1974.9	1972.7	1977.1
17.5°	1988.0	1983.6	1979.3	1972.7	1953.1	1946.6	1942.2	1944.4	1942.2	1940.1	1944.4
20°	1970.5	1964.0	1961.8	1950.9	1931.3	1920.5	1911.8	1907.4	1909.6	1903.0	1905.2
22.5°	1950.9	1942.2	1937.9	1924.8	1905.2	1892.2	1881.3	1872.6	1870.4	1861.7	1863.9
25°	1927.0	1916.1	1909.6	1898.7	1876.9	1861.7	1848.6	1835.5	1829.0	1818.1	1815.9
27.5°	1898.7	1887.8	1879.1	1868.2	1846.4	1826.8	1811.6	1794.2	1785.5	1772.4	1765.9
30°	1870.4	1857.3	1844.3	1835.5	1811.6	1789.8	1765.9	1750.6	1737.6	1722.3	1711.4
32.5°	1835.5	1822.5	1809.4	1796.4	1774.6	1748.4	1728.9	1704.9	1689.7	1672.2	1659.2
35°	1800.7	1783.3	1770.2	1752.8	1733.2	1702.7	1678.8	1654.8	1635.2	1615.6	1600.4
37.5°	1761.5	1748.4	1728.9	1713.6	1689.7	1659.2	1633.0	1602.6	1585.1	1559.0	1539.4
40°	1724.5	1709.3	1689.7	1670.1	1646.1	1611.3	1583.0	1548.1	1528.5	1498.0	1478.5
42.5°	1687.5	1665.7	1646.1	1624.3	1598.2	1565.5	1530.7	1495.9	1469.7	1441.4	1413.1
45°	1646.1	1622.2	1598.2	1574.3	1548.1	1515.5	1478.5	1441.4	1408.8	1382.6	1347.8
47.5°	1602.6	1578.6	1550.3	1524.2	1495.9	1463.2	1424.0	1384.8	1350.0	1319.5	1282.5
50°	1559.0	1535.1	1504.6	1476.3	1443.6	1411.0	1369.6	1323.9	1286.8	1247.6	1215.0
52.5°	1513.3	1489.3	1461.0	1424.0	1389.2	1356.5	1313.0	1265.1	1223.7	1191.0	1149.7
55°	1467.6	1443.6	1411.0	1373.9	1339.1	1297.7	1256.4	1208.5	1162.7	1123.5	1082.2
57.5°	1419.7	1397.9	1360.9	1330.4	1286.8	1243.3	1199.7	1154.0	1103.9	1058.2	1010.3
60°	1371.8	1347.8	1313.0	1276.0	1232.4	1188.9	1143.1	1093.1	1040.8	990.7	947.2
62.5°	1328.2	1297.7	1265.1	1225.9	1180.1	1138.8	1086.5	1032.1	979.8	927.6	875.3
65°	1278.1	1245.5	1215.0	1175.8	1127.9	1080.0	1027.7	973.3	916.7	860.1	807.8
67.5°	1228.1	1195.4	1162.7	1123.5	1073.5	1023.4	968.9	914.5	851.4	796.9	736.0
70°	1178.0	1151.8	1110.5	1069.1	1023.4	968.9	914.5	855.7	790.4	731.6	668.5
72.5°	1127.9	1101.8	1060.4	1016.8	973.3	916.7	857.9	799.1	738.1	670.6	603.1
75°	1080.0	1047.3	1010.3	968.9	923.2	864.4	805.6	744.7	672.8	609.7	540.0
77.5°	1034.3	1003.8	966.8	921.0	871.0	814.3	753.4	690.2	618.4	550.9	474.7
80°	984.2	953.7	916.7	871.0	820.9	766.4	701.1	635.8	566.1	492.1	413.7
82.5°	936.3	908.0	866.6	825.2	770.8	716.4	651.0	585.7	511.7	439.8	363.6
85°	886.2	857.9	818.7	775.2	722.9	664.1	603.1	537.8	463.8	389.8	313.5
87.5°	842.7	810.0	770.8	727.2	675.0	618.4	559.6	489.9	418.1	346.2	267.8
90°	796.9	766.4	727.2	683.7	631.4	574.8	513.9	448.5	378.9	304.8	230.8
92.5°	757.7	725.1	688.1	644.5	592.3	537.8	476.8	411.5	344.0	272.2	200.3
95°	718.5	685.9	651.0	607.5	555.2	500.8	439.8	376.7	311.4	241.7	174.2
97.5°	675.0	646.7	611.8	570.5	518.2	466.0	407.2	346.2	283.1	215.6	152.4
100°	640.2	607.5	574.8	531.3	483.4	433.3	374.5	315.7	254.8	191.6	132.8
102.5°	601.0	570.5	537.8	496.4	448.5	398.5	344.0	287.4	230.8	172.0	115.4
105°	563.9	535.6	500.8	461.6	415.9	368.0	315.7	263.5	209.0	152.4	102.3
107.5°	526.9	498.6	466.0	428.9	385.4	337.5	289.6	237.3	187.3	137.2	91.5
110°	489.9	463.8	433.3	396.3	354.9	311.4	265.6	217.7	167.7	121.9	80.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	457.3	431.1	400.6	365.8	326.6	285.2	241.7	196.0	150.2	108.9	69.7
115°	424.6	400.6	370.2	339.7	300.5	261.3	219.9	176.4	135.0	98.0	61.0
117.5°	391.9	368.0	339.7	309.2	274.4	237.3	198.1	156.8	121.9	87.1	54.4
120°	359.3	337.5	311.4	283.1	252.6	215.6	176.4	141.5	108.9	76.2	47.9
122.5°	328.8	309.2	285.2	259.1	226.4	191.6	158.9	128.5	98.0	67.5	39.2
125°	300.5	280.9	259.1	233.0	202.5	172.0	143.7	115.4	84.9	58.8	32.7
127.5°	272.2	252.6	230.8	206.9	182.9	154.6	128.5	102.3	76.2	52.3	28.3
130°	243.9	226.4	206.9	187.3	163.3	137.2	115.4	89.3	65.3	41.4	24.0
132.5°	215.6	202.5	185.1	165.5	143.7	124.1	100.2	78.4	56.6	37.0	21.8
135°	191.6	178.5	163.3	145.9	128.5	108.9	87.1	67.5	47.9	30.5	17.4
137.5°	169.8	158.9	143.7	128.5	113.2	93.6	76.2	56.6	39.2	26.1	13.1
140°	150.2	139.4	126.3	111.0	98.0	80.6	63.1	45.7	34.8	21.8	10.9
142.5°	130.6	119.8	108.9	95.8	82.7	67.5	52.3	39.2	28.3	17.4	10.9
145°	111.0	102.3	91.5	80.6	67.5	54.4	43.5	32.7	21.8	13.1	8.7
147.5°	91.5	84.9	74.0	65.3	54.4	43.5	34.8	26.1	17.4	10.9	6.5
150°	74.0	67.5	58.8	50.1	43.5	34.8	28.3	19.6	13.1	10.9	6.5
152.5°	56.6	52.3	45.7	41.4	34.8	26.1	19.6	15.2	10.9	8.7	4.4
155°	45.7	41.4	37.0	30.5	26.1	19.6	15.2	10.9	8.7	6.5	4.4
157.5°	32.7	30.5	26.1	21.8	17.4	13.1	10.9	10.9	6.5	4.4	2.2
160°	21.8	19.6	17.4	13.1	10.9	10.9	8.7	6.5	4.4	4.4	2.2
162.5°	13.1	10.9	10.9	10.9	8.7	8.7	6.5	4.4	4.4	2.2	2.2
165°	8.7	8.7	8.7	6.5	6.5	6.5	4.4	2.2	2.2	2.2	2.2
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-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2066.3	2059.8	2068.5	2083.8	2085.9	2083.8	2079.4	2085.9	2094.7	2092.5	2077.2
5°	2062.0	2053.3	2062.0	2077.2	2077.2	2075.1	2072.9	2079.4	2088.1	2085.9	2072.9
7.5°	2048.9	2040.2	2048.9	2062.0	2064.2	2059.8	2059.8	2066.3	2075.1	2072.9	2062.0
10°	2031.5	2022.8	2027.2	2042.4	2046.8	2042.4	2042.4	2048.9	2059.8	2057.6	2044.6
12.5°	2005.4	1998.8	2003.2	2016.3	2020.6	2018.4	2016.3	2025.0	2035.9	2035.9	2022.8
15°	1977.1	1968.4	1972.7	1988.0	1990.1	1985.8	1988.0	1994.5	2007.6	2007.6	1996.7
17.5°	1944.4	1933.5	1940.1	1950.9	1953.1	1953.1	1953.1	1961.8	1977.1	1974.9	1966.2
20°	1907.4	1892.2	1896.5	1907.4	1911.8	1911.8	1911.8	1927.0	1937.9	1937.9	1929.2
22.5°	1863.9	1853.0	1853.0	1863.9	1870.4	1868.2	1868.2	1881.3	1896.5	1894.3	1894.3
25°	1813.8	1805.1	1800.7	1813.8	1815.9	1818.1	1822.5	1835.5	1853.0	1853.0	1855.1
27.5°	1761.5	1752.8	1750.6	1761.5	1763.7	1765.9	1770.2	1785.5	1802.9	1805.1	1809.4
30°	1711.4	1698.4	1694.0	1702.7	1707.1	1709.3	1709.3	1733.2	1748.4	1755.0	1763.7
32.5°	1652.6	1639.6	1628.7	1643.9	1646.1	1650.5	1652.6	1676.6	1694.0	1704.9	1718.0
35°	1593.9	1572.1	1567.7	1578.6	1583.0	1585.1	1589.5	1615.6	1639.6	1648.3	1665.7
37.5°	1528.5	1513.3	1500.2	1511.1	1515.5	1517.6	1530.7	1554.7	1578.6	1591.7	1609.1
40°	1467.6	1448.0	1437.1	1443.6	1448.0	1450.1	1465.4	1491.5	1519.8	1535.1	1556.8
42.5°	1400.1	1373.9	1365.2	1371.8	1373.9	1380.5	1393.5	1428.4	1456.7	1478.5	1495.9
45°	1332.6	1313.0	1293.4	1299.9	1302.1	1306.4	1326.0	1363.0	1393.5	1419.7	1439.3
47.5°	1262.9	1238.9	1219.3	1223.7	1232.4	1234.6	1256.4	1299.9	1328.2	1356.5	1382.6
50°	1193.2	1160.6	1145.3	1145.3	1149.7	1160.6	1188.9	1232.4	1262.9	1295.6	1323.9
52.5°	1121.4	1090.9	1073.5	1075.6	1080.0	1093.1	1119.2	1162.7	1197.6	1232.4	1267.2
55°	1049.5	1016.8	999.4	995.1	999.4	1016.8	1047.3	1093.1	1127.9	1169.3	1206.3
57.5°	977.7	938.5	923.2	916.7	921.0	942.8	973.3	1021.2	1064.7	1103.9	1147.5
60°	899.3	868.8	842.7	827.4	838.3	866.6	899.3	949.3	995.1	1038.6	1086.5
62.5°	831.8	792.6	764.3	749.0	759.9	783.9	829.6	877.5	927.6	977.7	1025.6
65°	755.6	716.4	683.7	668.5	679.3	707.7	753.4	805.6	860.1	910.2	966.8
67.5°	681.5	640.2	601.0	585.7	598.8	629.3	679.3	738.1	796.9	849.2	910.2
70°	609.7	563.9	522.6	511.7	520.4	561.8	609.7	668.5	729.4	790.4	853.5
72.5°	544.3	487.7	444.2	431.1	442.0	487.7	542.2	603.1	668.5	733.8	801.3
75°	468.1	415.9	368.0	352.7	365.8	407.2	474.7	540.0	609.7	679.3	742.5
77.5°	407.2	346.2	296.1	272.2	293.9	346.2	411.5	481.2	553.1	624.9	696.8
80°	344.0	280.9	226.4	200.3	224.3	280.9	346.2	422.4	503.0	574.8	640.2
82.5°	287.4	219.9	163.3	135.0	161.1	224.3	296.1	372.3	450.7	522.6	598.8
85°	235.2	165.5	106.7	76.2	113.2	169.8	246.0	324.4	405.0	479.0	553.1
87.5°	191.6	124.1	65.3	32.7	69.7	132.8	204.7	283.1	363.6	437.7	507.3
90°	156.8	89.3	34.8	4.4	41.4	100.2	169.8	246.0	322.3	398.5	468.1
92.5°	128.5	67.5	19.6	2.2	26.1	80.6	145.9	217.7	291.8	365.8	433.3
95°	106.7	52.3	13.1	2.2	19.6	63.1	124.1	193.8	263.5	335.3	402.8
97.5°	91.5	43.5	10.9	2.2	15.2	54.4	106.7	172.0	239.5	307.0	372.3
100°	78.4	34.8	8.7	2.2	13.1	45.7	93.6	152.4	215.6	280.9	344.0
102.5°	67.5	28.3	6.5	2.2	10.9	39.2	82.7	137.2	193.8	256.9	317.9
105°	58.8	24.0	6.5	2.2	8.7	34.8	74.0	121.9	178.5	235.2	293.9
107.5°	50.1	19.6	4.4	2.2	6.5	28.3	65.3	111.0	161.1	215.6	270.0
110°	43.5	17.4	4.4	2.2	6.5	26.1	56.6	100.2	145.9	196.0	248.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	37.0	13.1	4.4	2.2	4.4	21.8	50.1	89.3	132.8	178.5	228.6
115°	32.7	10.9	2.2	2.2	4.4	19.6	45.7	80.6	119.8	163.3	209.0
117.5°	26.1	8.7	2.2	2.2	2.2	15.2	39.2	71.9	108.9	150.2	191.6
120°	21.8	8.7	2.2	2.2	2.2	13.1	34.8	63.1	98.0	135.0	174.2
122.5°	19.6	6.5	2.2	2.2	2.2	10.9	30.5	56.6	87.1	121.9	158.9
125°	17.4	6.5	2.2	2.2	2.2	8.7	26.1	50.1	78.4	108.9	143.7
127.5°	13.1	6.5	2.2	2.2	2.2	6.5	24.0	43.5	69.7	98.0	128.5
130°	10.9	4.4	2.2	2.2	2.2	6.5	19.6	39.2	61.0	87.1	115.4
132.5°	8.7	4.4	2.2	2.2	2.2	4.4	15.2	30.5	52.3	76.2	102.3
135°	8.7	4.4	2.2	2.2	2.2	4.4	10.9	26.1	43.5	65.3	87.1
137.5°	8.7	2.2	2.2	2.2	2.2	4.4	8.7	19.6	34.8	52.3	71.9
140°	6.5	2.2	2.2	2.2	2.2	2.2	6.5	15.2	28.3	43.5	61.0
142.5°	6.5	2.2	2.2	2.2	2.2	2.2	6.5	10.9	21.8	34.8	47.9
145°	4.4	2.2	2.2	2.2	2.2	2.2	4.4	8.7	17.4	26.1	39.2
147.5°	4.4	2.2	2.2	2.2	2.2	2.2	4.4	6.5	13.1	21.8	30.5
150°	4.4	2.2	2.2	2.2	2.2	2.2	4.4	6.5	8.7	15.2	24.0
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	6.5	10.9	15.2
155°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	6.5	8.7	10.9
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	6.5	8.7
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	6.5
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2070.7	2055.5	2059.8	2057.6	2062.0	2068.5	2068.5	2066.3	2066.3	2062.0	2057.6
5°	2066.3	2051.1	2057.6	2055.5	2059.8	2066.3	2066.3	2064.2	2064.2	2057.6	2055.5
7.5°	2053.3	2042.4	2046.8	2046.8	2051.1	2057.6	2057.6	2055.5	2055.5	2048.9	2046.8
10°	2040.2	2027.2	2033.7	2033.7	2038.0	2046.8	2046.8	2044.6	2044.6	2038.0	2035.9
12.5°	2018.4	2005.4	2016.3	2018.4	2022.8	2031.5	2029.3	2029.3	2029.3	2022.8	2020.6
15°	1992.3	1983.6	1994.5	1996.7	2003.2	2014.1	2014.1	2014.1	2014.1	2007.6	2005.4
17.5°	1964.0	1957.5	1968.4	1972.7	1981.4	1992.3	1992.3	1994.5	1996.7	1992.3	1990.1
20°	1931.3	1927.0	1937.9	1946.6	1959.7	1970.5	1974.9	1977.1	1981.4	1977.1	1974.9
22.5°	1894.3	1894.3	1909.6	1918.3	1933.5	1944.4	1950.9	1957.5	1961.8	1957.5	1955.3
25°	1853.0	1859.5	1874.7	1890.0	1907.4	1918.3	1924.8	1933.5	1937.9	1935.7	1933.5
27.5°	1813.8	1822.5	1842.1	1857.3	1872.6	1890.0	1896.5	1907.4	1911.8	1911.8	1909.6
30°	1768.0	1781.1	1802.9	1820.3	1839.9	1857.3	1866.0	1876.9	1883.4	1879.1	1881.3
32.5°	1724.5	1746.3	1763.7	1783.3	1805.1	1822.5	1833.4	1846.4	1853.0	1850.8	1853.0
35°	1676.6	1698.4	1722.3	1741.9	1768.0	1785.5	1800.7	1811.6	1820.3	1818.1	1818.1
37.5°	1624.3	1652.6	1676.6	1702.7	1726.7	1746.3	1761.5	1774.6	1783.3	1783.3	1783.3
40°	1574.3	1604.7	1628.7	1659.2	1689.7	1707.1	1724.5	1737.6	1746.3	1748.4	1750.6
42.5°	1519.8	1552.5	1580.8	1613.4	1643.9	1665.7	1685.3	1700.5	1709.3	1713.6	1711.4
45°	1469.7	1500.2	1532.9	1569.9	1598.2	1620.0	1643.9	1661.4	1670.1	1672.2	1674.4
47.5°	1413.1	1448.0	1485.0	1522.0	1550.3	1578.6	1600.4	1617.8	1626.5	1633.0	1633.0
50°	1358.7	1395.7	1437.1	1476.3	1506.8	1535.1	1556.8	1576.4	1587.3	1591.7	1593.9
52.5°	1308.6	1343.5	1387.0	1426.2	1456.7	1485.0	1513.3	1535.1	1546.0	1550.3	1550.3
55°	1247.6	1291.2	1339.1	1376.1	1408.8	1441.4	1469.7	1491.5	1502.4	1508.9	1513.3
57.5°	1191.0	1236.8	1286.8	1326.0	1365.2	1395.7	1421.8	1450.1	1458.9	1467.6	1469.7
60°	1136.6	1182.3	1230.2	1273.8	1313.0	1345.6	1376.1	1400.1	1415.3	1419.7	1424.0
62.5°	1080.0	1127.9	1178.0	1221.5	1262.9	1302.1	1330.4	1352.2	1369.6	1376.1	1380.5
65°	1025.6	1075.6	1125.7	1171.4	1215.0	1254.2	1282.5	1304.3	1321.7	1332.6	1334.7
67.5°	966.8	1021.2	1073.5	1121.4	1164.9	1206.3	1234.6	1256.4	1273.8	1286.8	1289.0
70°	912.3	968.9	1021.2	1073.5	1117.0	1158.4	1188.9	1210.6	1230.2	1238.9	1243.3
72.5°	860.1	918.9	973.3	1025.6	1069.1	1110.5	1143.1	1164.9	1184.5	1195.4	1197.6
75°	810.0	868.8	927.6	977.7	1023.4	1064.7	1097.4	1121.4	1138.8	1149.7	1154.0
77.5°	759.9	820.9	879.7	929.7	977.7	1019.0	1047.3	1075.6	1093.1	1106.1	1106.1
80°	709.8	773.0	833.9	884.0	931.9	968.9	1001.6	1029.9	1047.3	1060.4	1060.4
82.5°	666.3	727.2	786.0	836.1	884.0	925.4	958.1	984.2	1003.8	1012.5	1014.7
85°	616.2	683.7	738.1	792.6	838.3	877.5	910.2	938.5	955.9	964.6	968.9
87.5°	574.8	640.2	698.9	746.8	792.6	831.8	868.8	892.7	910.2	921.0	925.4
90°	535.6	598.8	657.6	705.5	753.4	790.4	825.2	849.2	868.8	877.5	881.8
92.5°	500.8	563.9	620.6	668.5	714.2	755.6	788.2	812.2	829.6	838.3	844.8
95°	468.1	529.1	583.5	635.8	679.3	716.4	751.2	775.2	794.7	801.3	807.8
97.5°	435.5	494.3	548.7	598.8	644.5	679.3	712.0	736.0	751.2	762.1	768.6
100°	407.2	463.8	516.0	563.9	607.5	640.2	675.0	696.8	712.0	720.7	729.4
102.5°	376.7	433.3	483.4	529.1	574.8	605.3	638.0	659.8	672.8	688.1	688.1
105°	350.6	402.8	452.9	496.4	535.6	572.7	601.0	622.7	638.0	648.9	648.9
107.5°	322.3	374.5	422.4	468.1	505.2	540.0	566.1	585.7	603.1	609.7	616.2
110°	300.5	346.2	394.1	437.7	472.5	505.2	531.3	553.1	568.3	574.8	579.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	274.4	322.3	365.8	407.2	442.0	472.5	498.6	516.0	531.3	540.0	542.2
115°	252.6	298.3	337.5	376.7	413.7	439.8	463.8	481.2	496.4	503.0	507.3
117.5°	233.0	274.4	313.5	346.2	381.0	409.4	433.3	448.5	461.6	470.3	474.7
120°	213.4	252.6	287.4	320.1	352.7	378.9	400.6	415.9	431.1	437.7	437.7
122.5°	193.8	230.8	263.5	293.9	324.4	348.4	372.3	385.4	398.5	405.0	405.0
125°	176.4	211.2	241.7	270.0	298.3	320.1	339.7	354.9	368.0	372.3	372.3
127.5°	158.9	191.6	219.9	246.0	270.0	291.8	311.4	326.6	337.5	341.9	341.9
130°	143.7	172.0	198.1	224.3	248.2	265.6	285.2	298.3	304.8	311.4	313.5
132.5°	128.5	154.6	178.5	200.3	224.3	241.7	256.9	270.0	276.5	283.1	285.2
135°	113.2	137.2	158.9	180.7	200.3	217.7	230.8	241.7	250.4	254.8	256.9
137.5°	95.8	121.9	141.5	158.9	180.7	193.8	209.0	215.6	224.3	228.6	228.6
140°	80.6	100.2	121.9	139.4	156.8	169.8	182.9	193.8	200.3	202.5	202.5
142.5°	65.3	82.7	100.2	121.9	137.2	148.1	161.1	169.8	174.2	176.4	178.5
145°	52.3	65.3	80.6	100.2	117.6	130.6	137.2	145.9	150.2	152.4	154.6
147.5°	39.2	52.3	65.3	78.4	95.8	108.9	115.4	124.1	128.5	130.6	130.6
150°	30.5	39.2	47.9	61.0	74.0	89.3	98.0	104.5	106.7	108.9	108.9
152.5°	21.8	30.5	37.0	45.7	54.4	67.5	80.6	84.9	87.1	89.3	89.3
155°	15.2	21.8	26.1	32.7	39.2	50.1	61.0	67.5	69.7	71.9	71.9
157.5°	10.9	15.2	17.4	24.0	28.3	32.7	41.4	52.3	54.4	54.4	54.4
160°	6.5	8.7	10.9	15.2	17.4	21.8	26.1	32.7	39.2	39.2	39.2
162.5°	4.4	6.5	6.5	8.7	8.7	13.1	15.2	17.4	24.0	26.1	26.1
165°	2.2	4.4	4.4	4.4	4.4	4.4	6.5	6.5	10.9	13.1	13.1
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-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2059.8	2064.2	2062.0	2062.0	2062.0	2066.3	2062.0	2042.4	2046.8	2051.1	2055.5
5°	2057.6	2059.8	2059.8	2057.6	2057.6	2062.0	2057.6	2038.0	2042.4	2046.8	2048.9
7.5°	2048.9	2051.1	2051.1	2051.1	2048.9	2053.3	2046.8	2029.3	2029.3	2033.7	2035.9
10°	2038.0	2042.4	2040.2	2038.0	2038.0	2038.0	2033.7	2014.1	2014.1	2016.3	2018.4
12.5°	2025.0	2025.0	2025.0	2022.8	2020.6	2020.6	2016.3	1996.7	1994.5	1998.8	1996.7
15°	2007.6	2011.9	2007.6	2005.4	2001.0	2001.0	1994.5	1974.9	1970.5	1972.7	1970.5
17.5°	1992.3	1994.5	1990.1	1985.8	1981.4	1979.3	1972.7	1950.9	1944.4	1946.6	1942.2
20°	1977.1	1977.1	1972.7	1968.4	1961.8	1955.3	1946.6	1924.8	1913.9	1913.9	1905.2
22.5°	1957.5	1957.5	1953.1	1946.6	1940.1	1931.3	1922.6	1900.9	1883.4	1879.1	1872.6
25°	1935.7	1933.5	1931.3	1924.8	1911.8	1903.0	1894.3	1870.4	1850.8	1842.1	1831.2
27.5°	1909.6	1909.6	1903.0	1896.5	1883.4	1872.6	1861.7	1839.9	1813.8	1802.9	1787.6
30°	1881.3	1881.3	1874.7	1866.0	1853.0	1839.9	1826.8	1800.7	1774.6	1759.3	1741.9
32.5°	1853.0	1850.8	1844.3	1835.5	1822.5	1802.9	1792.0	1765.9	1735.4	1718.0	1694.0
35°	1818.1	1815.9	1809.4	1798.5	1781.1	1765.9	1748.4	1724.5	1689.7	1667.9	1641.8
37.5°	1783.3	1781.1	1776.8	1761.5	1744.1	1726.7	1704.9	1680.9	1648.3	1620.0	1593.9
40°	1748.4	1746.3	1737.6	1726.7	1704.9	1683.1	1661.4	1637.4	1602.6	1569.9	1541.6
42.5°	1711.4	1709.3	1698.4	1685.3	1661.4	1639.6	1613.4	1587.3	1552.5	1513.3	1485.0
45°	1674.4	1670.1	1659.2	1643.9	1617.8	1593.9	1567.7	1537.2	1502.4	1465.4	1428.4
47.5°	1635.2	1628.7	1617.8	1596.0	1574.3	1548.1	1517.6	1485.0	1450.1	1408.8	1369.6
50°	1591.7	1587.3	1574.3	1554.7	1528.5	1502.4	1467.6	1434.9	1393.5	1354.3	1306.4
52.5°	1550.3	1541.6	1530.7	1508.9	1482.8	1454.5	1417.5	1378.3	1336.9	1299.9	1249.8
55°	1506.8	1502.4	1487.2	1469.7	1437.1	1404.4	1369.6	1328.2	1282.5	1238.9	1191.0
57.5°	1465.4	1456.7	1443.6	1419.7	1391.4	1358.7	1321.7	1278.1	1228.1	1182.3	1130.1
60°	1424.0	1411.0	1395.7	1373.9	1343.5	1308.6	1269.4	1223.7	1173.6	1123.5	1069.1
62.5°	1378.3	1367.4	1350.0	1328.2	1297.7	1260.7	1219.3	1171.4	1123.5	1071.3	1012.5
65°	1332.6	1321.7	1304.3	1282.5	1252.0	1210.6	1167.1	1119.2	1064.7	1014.7	951.5
67.5°	1286.8	1276.0	1256.4	1232.4	1201.9	1162.7	1117.0	1066.9	1012.5	958.1	892.7
70°	1241.1	1228.1	1210.6	1184.5	1154.0	1112.6	1066.9	1014.7	960.2	901.4	836.1
72.5°	1195.4	1184.5	1162.7	1138.8	1106.1	1064.7	1019.0	966.8	910.2	849.2	783.9
75°	1149.7	1136.6	1121.4	1093.1	1058.2	1019.0	971.1	918.9	857.9	799.1	731.6
77.5°	1103.9	1093.1	1073.5	1045.1	1012.5	971.1	923.2	871.0	810.0	749.0	677.2
80°	1058.2	1045.1	1029.9	1003.8	966.8	925.4	875.3	823.1	762.1	698.9	627.1
82.5°	1012.5	999.4	982.0	955.9	921.0	879.7	831.8	775.2	714.2	648.9	581.4
85°	966.8	955.9	936.3	910.2	873.1	831.8	783.9	733.8	668.5	603.1	535.6
87.5°	921.0	910.2	890.6	864.4	829.6	788.2	740.3	688.1	624.9	563.9	489.9
90°	877.5	868.8	849.2	823.1	788.2	746.8	703.3	646.7	585.7	524.8	455.1
92.5°	838.3	829.6	812.2	786.0	755.6	709.8	666.3	611.8	550.9	487.7	420.2
95°	803.5	792.6	775.2	751.2	714.2	675.0	631.4	577.0	518.2	455.1	389.8
97.5°	764.3	753.4	736.0	709.8	679.3	638.0	594.4	542.2	483.4	424.6	359.3
100°	725.1	714.2	694.6	672.8	642.3	601.0	559.6	507.3	452.9	396.3	333.1
102.5°	685.9	675.0	657.6	635.8	605.3	568.3	526.9	476.8	422.4	365.8	307.0
105°	648.9	638.0	620.6	598.8	570.5	533.5	489.9	446.4	394.1	339.7	283.1
107.5°	611.8	601.0	585.7	563.9	535.6	500.8	459.4	413.7	365.8	313.5	259.1
110°	574.8	566.1	548.7	529.1	500.8	466.0	428.9	385.4	337.5	289.6	237.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	540.0	531.3	513.9	492.1	468.1	435.5	398.5	357.1	311.4	265.6	215.6
115°	505.2	494.3	479.0	459.4	435.5	405.0	370.2	333.1	287.4	243.9	198.1
117.5°	470.3	461.6	446.4	426.8	405.0	374.5	341.9	307.0	263.5	222.1	180.7
120°	435.5	428.9	413.7	396.3	374.5	346.2	315.7	280.9	241.7	202.5	163.3
122.5°	402.8	396.3	381.0	365.8	344.0	317.9	289.6	256.9	222.1	185.1	150.2
125°	372.3	363.6	350.6	335.3	315.7	291.8	263.5	233.0	200.3	167.7	135.0
127.5°	339.7	333.1	324.4	307.0	287.4	265.6	239.5	213.4	182.9	152.4	121.9
130°	313.5	304.8	293.9	280.9	263.5	241.7	217.7	191.6	165.5	137.2	106.7
132.5°	283.1	274.4	265.6	252.6	237.3	217.7	196.0	172.0	148.1	121.9	95.8
135°	254.8	248.2	239.5	226.4	211.2	196.0	174.2	152.4	130.6	106.7	84.9
137.5°	228.6	222.1	213.4	204.7	189.4	174.2	154.6	135.0	115.4	93.6	74.0
140°	202.5	198.1	189.4	180.7	167.7	152.4	135.0	117.6	100.2	80.6	63.1
142.5°	176.4	172.0	165.5	156.8	145.9	132.8	117.6	102.3	84.9	69.7	54.4
145°	152.4	150.2	143.7	135.0	126.3	113.2	100.2	87.1	71.9	58.8	43.5
147.5°	128.5	126.3	121.9	115.4	106.7	95.8	84.9	71.9	61.0	47.9	34.8
150°	106.7	104.5	102.3	93.6	89.3	78.4	69.7	58.8	50.1	37.0	28.3
152.5°	87.1	87.1	82.7	76.2	71.9	63.1	56.6	47.9	39.2	30.5	21.8
155°	69.7	67.5	65.3	61.0	56.6	50.1	43.5	37.0	30.5	21.8	15.2
157.5°	54.4	52.3	50.1	45.7	41.4	39.2	32.7	26.1	19.6	15.2	10.9
160°	39.2	37.0	34.8	32.7	30.5	26.1	21.8	17.4	13.1	8.7	6.5
162.5°	26.1	24.0	24.0	21.8	19.6	15.2	13.1	10.9	8.7	6.5	4.4
165°	13.1	13.1	10.9	10.9	8.7	6.5	6.5	6.5	4.4	4.4	2.2
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-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2053.3	2053.3	2062.0	2059.8	2053.3	2066.3	2081.6
5°	2046.8	2046.8	2053.3	2053.3	2046.8	2059.8	2072.9
7.5°	2035.9	2033.7	2040.2	2040.2	2031.5	2042.4	2057.6
10°	2016.3	2014.1	2020.6	2020.6	2011.9	2022.8	2035.9
12.5°	1994.5	1990.1	1996.7	1994.5	1985.8	1996.7	2009.7
15°	1966.2	1964.0	1968.4	1964.0	1955.3	1966.2	1979.3
17.5°	1937.9	1931.3	1933.5	1933.5	1918.3	1929.2	1940.1
20°	1900.9	1892.2	1894.3	1892.2	1881.3	1887.8	1900.9
22.5°	1863.9	1850.8	1850.8	1848.6	1835.5	1844.3	1855.1
25°	1818.1	1802.9	1802.9	1800.7	1785.5	1792.0	1802.9
27.5°	1772.4	1757.2	1750.6	1748.4	1733.2	1733.2	1748.4
30°	1724.5	1702.7	1698.4	1691.8	1676.6	1676.6	1689.7
32.5°	1678.8	1648.3	1639.6	1630.9	1615.6	1613.4	1628.7
35°	1617.8	1593.9	1578.6	1569.9	1552.5	1548.1	1561.2
37.5°	1567.7	1537.2	1515.5	1504.6	1487.2	1480.6	1498.0
40°	1513.3	1480.6	1452.3	1445.8	1419.7	1411.0	1426.2
42.5°	1452.3	1417.5	1389.2	1376.1	1356.5	1347.8	1350.0
45°	1391.4	1354.3	1323.9	1306.4	1286.8	1271.6	1280.3
47.5°	1328.2	1295.6	1258.5	1232.4	1208.5	1197.6	1201.9
50°	1265.1	1225.9	1191.0	1162.7	1134.4	1121.4	1130.1
52.5°	1201.9	1160.6	1121.4	1090.9	1058.2	1045.1	1047.3
55°	1141.0	1097.4	1051.7	1019.0	988.5	968.9	964.6
57.5°	1080.0	1032.1	984.2	947.2	908.0	890.6	884.0
60°	1014.7	964.6	914.5	871.0	829.6	810.0	801.3
62.5°	953.7	899.3	842.7	796.9	755.6	729.4	722.9
65°	894.9	831.8	775.2	722.9	677.2	648.9	640.2
67.5°	831.8	766.4	705.5	648.9	605.3	568.3	563.9
70°	773.0	703.3	635.8	577.0	529.1	492.1	474.7
72.5°	714.2	642.3	572.7	509.5	448.5	413.7	400.6
75°	657.6	583.5	509.5	444.2	376.7	335.3	322.3
77.5°	605.3	529.1	450.7	378.9	315.7	263.5	246.0
80°	555.2	476.8	394.1	320.1	252.6	196.0	176.4
82.5°	503.0	428.9	344.0	265.6	196.0	137.2	113.2
85°	457.3	383.2	298.3	219.9	150.2	87.1	61.0
87.5°	420.2	339.7	263.5	185.1	113.2	50.1	17.4
90°	383.2	304.8	228.6	152.4	84.9	28.3	2.2
92.5°	350.6	276.5	200.3	130.6	65.3	19.6	2.2
95°	320.1	248.2	176.4	108.9	52.3	13.1	2.2
97.5°	291.8	224.3	156.8	93.6	43.5	10.9	2.2
100°	267.8	202.5	139.4	82.7	37.0	8.7	2.2
102.5°	243.9	182.9	124.1	71.9	32.7	6.5	2.2
105°	224.3	165.5	111.0	65.3	28.3	6.5	2.2
107.5°	204.7	150.2	100.2	56.6	24.0	4.4	2.2
110°	185.1	137.2	89.3	50.1	21.8	4.4	2.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	169.8	124.1	80.6	45.7	17.4	4.4	2.2
115°	154.6	111.0	71.9	39.2	15.2	2.2	2.2
117.5°	139.4	100.2	63.1	34.8	13.1	2.2	2.2
120°	126.3	89.3	56.6	30.5	10.9	2.2	2.2
122.5°	113.2	80.6	50.1	26.1	8.7	2.2	2.2
125°	102.3	71.9	43.5	21.8	6.5	2.2	2.2
127.5°	91.5	63.1	39.2	19.6	6.5	2.2	2.2
130°	80.6	56.6	32.7	15.2	4.4	2.2	2.2
132.5°	71.9	47.9	28.3	13.1	4.4	2.2	2.2
135°	63.1	41.4	24.0	8.7	4.4	2.2	2.2
137.5°	54.4	34.8	19.6	6.5	2.2	2.2	2.2
140°	45.7	30.5	15.2	6.5	2.2	2.2	2.2
142.5°	39.2	24.0	10.9	4.4	2.2	2.2	2.2
145°	30.5	19.6	8.7	4.4	2.2	2.2	2.2
147.5°	24.0	15.2	6.5	4.4	2.2	2.2	2.2
150°	17.4	10.9	6.5	2.2	2.2	2.2	2.2
152.5°	13.1	8.7	4.4	2.2	2.2	2.2	2.2
155°	8.7	6.5	4.4	2.2	2.2	2.2	2.2
157.5°	6.5	4.4	2.2	2.2	2.2	2.2	2.2
160°	4.4	2.2	2.2	2.2	2.2	2.2	2.2
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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)