

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-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-LD5-120SL-LW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

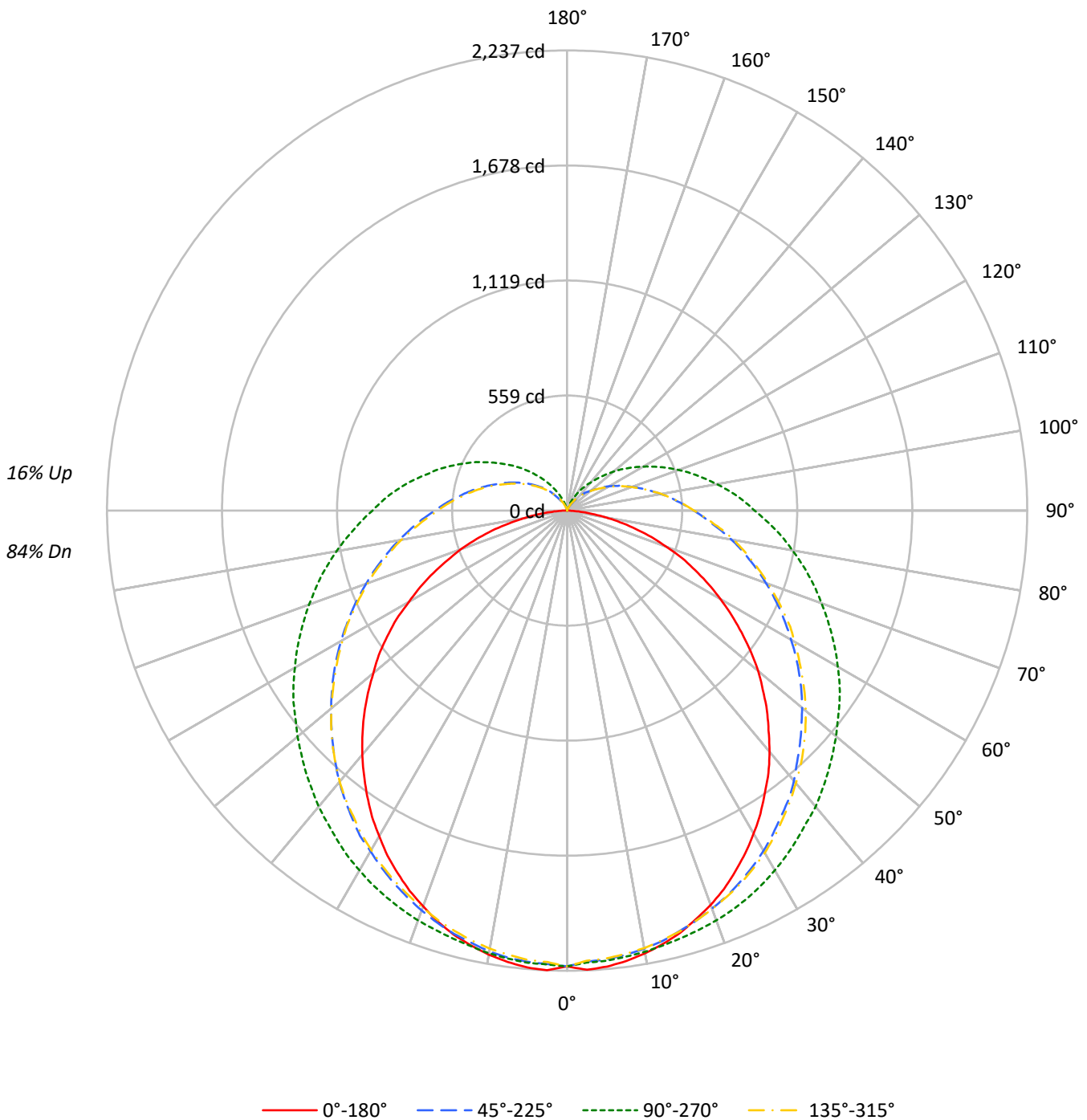
Lumens per Lamp: N/A
Luminaire Lumens: 9626.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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#
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Luminous Intensity Polar Plot





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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°	8952	8952	8952	8952
5°	9012	8627	9031	8664
10°	8941	8382	8970	8409
15°	8850	8172	8889	8181
20°	8723	8019	8753	8019
25°	8565	7883	8616	7874
30°	8386	7743	8451	7743
35°	8176	7613	8267	7622
40°	7970	7537	8067	7537
45°	7732	7457	7850	7467
50°	7485	7410	7586	7430
55°	7135	7417	7360	7449
60°	6767	7440	6988	7485
65°	6356	7515	6637	7589
70°	5771	7652	6221	7761
75°	5102	7902	5585	8054
80°	4046	8273	4595	8464
85°	2572	8868	3218	9113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	2.2
10°-20°	603.2	6.3
20°-30°	924.9	9.6
30°-40°	1141.0	11.9
40°-50°	1237.9	12.9
50°-60°	1220.1	12.7
60°-70°	1103.1	11.5
70°-80°	919.0	9.5
80°-90°	711.8	7.4
90°-100°	539.8	5.6
100°-110°	399.5	4.1
110°-120°	277.9	2.9
120°-130°	177.3	1.8
130°-140°	99.5	1.0
140°-150°	45.4	0.5
150°-160°	14.1	0.1
160°-170°	1.8	0.0
170°-180°	0.0	0.0
0°-30°	1738.0	18.1
0°-40°	2878.9	29.9
0°-60°	5336.9	55.4
0°-90°	8070.8	83.8
90°-120°	1217.2	12.6
90°-150°	1539.4	16.0
90°-180°	1555.0	16.2
0°-180°	9626.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2216	2216	2216	2216	2216	
5°	2225	2197	2230	2206	2225	211
15°	2124	2150	2134	2152	2124	599
25°	1935	2078	1947	2075	1935	891
35°	1676	1949	1694	1952	1676	1049
45°	1374	1795	1395	1797	1374	1059
55°	1035	1617	1068	1624	1035	927
65°	687	1419	718	1433	687	681
75°	346	1215	379	1239	346	366
85°	65	1012	82	1040	65	79
90°	2	912	5	946	2	4
95°	2	827	2	867	2	2
105°	2	657	2	696	2	2
115°	2	500	2	545	2	2
125°	2	360	2	400	2	2
135°	2	234	2	276	2	2
145°	2	136	2	166	2	1
155°	2	56	2	77	2	1
165°	2	9	2	14	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-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6
2.5°	2234.3	2234.3	2232.0	2227.3	2229.6	2236.7	2232.0	2220.3	2213.3	2194.6	2199.3
5°	2225.0	2225.0	2222.6	2218.0	2220.3	2229.6	2225.0	2215.6	2206.3	2189.9	2196.9
7.5°	2208.6	2208.6	2206.3	2201.6	2206.3	2215.6	2210.9	2201.6	2194.6	2178.2	2185.2
10°	2185.2	2187.6	2185.2	2178.2	2187.6	2196.9	2194.6	2182.9	2175.9	2161.9	2168.9
12.5°	2157.2	2159.5	2157.2	2154.9	2159.5	2173.6	2168.9	2159.5	2154.9	2143.2	2150.2
15°	2124.5	2126.8	2122.1	2122.1	2126.8	2140.8	2140.8	2131.5	2126.8	2115.1	2129.1
17.5°	2082.4	2084.7	2082.4	2082.4	2087.1	2101.1	2103.4	2098.8	2094.1	2089.4	2103.4
20°	2040.3	2038.0	2038.0	2035.7	2045.0	2066.0	2063.7	2063.7	2059.0	2059.0	2075.4
22.5°	1991.3	1991.3	1988.9	1988.9	2000.6	2019.3	2019.3	2024.0	2019.3	2028.7	2042.7
25°	1935.2	1937.5	1935.2	1939.8	1949.2	1970.2	1972.6	1979.6	1981.9	1991.3	2007.6
27.5°	1876.7	1879.1	1876.7	1881.4	1897.8	1914.1	1925.8	1935.2	1937.5	1951.5	1972.6
30°	1813.6	1813.6	1816.0	1820.6	1839.3	1865.0	1874.4	1886.1	1886.1	1909.5	1930.5
32.5°	1748.2	1748.2	1748.2	1757.5	1778.6	1809.0	1820.6	1834.7	1839.3	1862.7	1886.1
35°	1675.7	1678.1	1678.1	1685.1	1713.1	1743.5	1759.9	1776.2	1785.6	1813.6	1837.0
37.5°	1608.0	1612.6	1605.6	1615.0	1654.7	1680.4	1699.1	1715.5	1731.8	1769.2	1787.9
40°	1530.8	1535.5	1533.2	1551.9	1584.6	1617.3	1638.3	1654.7	1678.1	1715.5	1736.5
42.5°	1449.0	1453.7	1458.4	1479.4	1514.5	1547.2	1572.9	1593.9	1622.0	1654.7	1689.8
45°	1374.2	1374.2	1381.3	1407.0	1444.4	1479.4	1509.8	1533.2	1565.9	1601.0	1636.0
47.5°	1290.1	1292.4	1301.8	1332.2	1371.9	1414.0	1442.0	1472.4	1507.5	1544.9	1584.6
50°	1213.0	1213.0	1227.0	1259.7	1297.1	1343.9	1374.2	1409.3	1446.7	1491.1	1530.8
52.5°	1124.2	1128.8	1149.9	1180.3	1229.3	1271.4	1306.5	1343.9	1388.3	1435.0	1479.4
55°	1035.4	1044.7	1061.1	1103.1	1154.6	1194.3	1236.4	1283.1	1325.2	1376.6	1428.0
57.5°	948.9	955.9	981.6	1023.7	1077.4	1126.5	1170.9	1215.3	1266.7	1318.2	1371.9
60°	860.1	869.4	899.8	941.9	1000.3	1051.7	1103.1	1149.9	1203.6	1257.4	1313.5
62.5°	775.9	782.9	818.0	867.1	925.5	981.6	1033.0	1089.1	1147.5	1199.0	1255.1
65°	687.1	698.8	738.5	782.9	850.7	906.8	965.2	1026.0	1086.8	1142.9	1196.6
67.5°	605.3	612.3	654.4	705.8	773.6	836.7	897.5	962.9	1026.0	1084.4	1138.2
70°	509.5	532.9	574.9	628.7	701.1	766.6	832.0	899.8	967.6	1028.3	1079.8
72.5°	430.0	448.7	495.5	553.9	624.0	701.1	768.9	841.4	909.2	972.3	1026.0
75°	345.9	364.6	418.4	483.8	556.2	638.0	708.2	782.9	853.1	916.2	972.3
77.5°	264.1	287.5	345.9	413.7	493.1	577.3	649.7	724.5	797.0	864.7	920.8
80°	189.3	215.0	278.1	355.2	432.4	516.5	596.0	670.8	743.2	811.0	869.4
82.5°	121.5	149.6	217.4	294.5	376.3	460.4	542.2	617.0	689.5	757.2	818.0
85°	65.4	95.8	165.9	243.1	324.9	409.0	490.8	570.3	640.4	703.5	768.9
87.5°	18.7	56.1	123.9	201.0	285.1	362.3	441.7	521.2	591.3	659.1	717.5
90°	2.3	32.7	93.5	165.9	247.7	322.5	402.0	476.8	546.9	614.7	673.1
92.5°	2.3	21.0	72.5	137.9	212.7	289.8	369.3	441.7	507.2	574.9	633.4
95°	2.3	16.4	58.4	116.9	187.0	259.4	334.2	404.3	472.1	535.2	593.6
97.5°	2.3	11.7	46.7	100.5	163.6	231.4	303.8	373.9	439.4	500.2	553.9
100°	2.3	9.3	37.4	86.5	142.6	208.0	273.4	341.2	404.3	462.8	518.8
102.5°	2.3	7.0	32.7	72.5	126.2	184.6	247.7	310.8	371.6	427.7	483.8
105°	2.3	7.0	28.0	63.1	112.2	165.9	224.4	285.1	341.2	395.0	446.4
107.5°	2.3	4.7	23.4	53.8	98.2	149.6	203.3	261.8	313.2	364.6	413.7
110°	2.3	4.7	18.7	49.1	86.5	133.2	184.6	238.4	287.5	336.6	383.3



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CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.3	4.7	16.4	42.1	74.8	119.2	165.9	215.0	261.8	310.8	352.9
115°	2.3	4.7	14.0	37.4	70.1	102.8	149.6	194.0	240.7	285.1	324.9
117.5°	2.3	4.7	11.7	30.4	60.8	93.5	130.9	175.3	217.4	259.4	296.8
120°	2.3	4.7	9.3	28.0	53.8	84.1	116.9	156.6	196.3	236.1	275.8
122.5°	2.3	2.3	9.3	23.4	46.7	74.8	107.5	137.9	175.3	212.7	247.7
125°	2.3	2.3	9.3	21.0	39.7	67.8	95.8	123.9	156.6	189.3	219.7
127.5°	2.3	2.3	7.0	16.4	35.1	58.4	84.1	114.5	137.9	168.3	198.7
130°	2.3	2.3	7.0	14.0	30.4	49.1	74.8	100.5	128.5	149.6	175.3
132.5°	2.3	2.3	7.0	11.7	23.4	39.7	63.1	86.5	112.2	135.6	156.6
135°	2.3	2.3	4.7	9.3	18.7	32.7	51.4	72.5	98.2	121.5	142.6
137.5°	2.3	2.3	4.7	9.3	14.0	28.0	39.7	58.4	81.8	102.8	123.9
140°	2.3	2.3	4.7	7.0	11.7	21.0	32.7	46.7	65.4	84.1	107.5
142.5°	2.3	2.3	2.3	7.0	9.3	16.4	25.7	37.4	51.4	67.8	86.5
145°	2.3	2.3	2.3	7.0	9.3	11.7	21.0	30.4	39.7	51.4	67.8
147.5°	2.3	2.3	2.3	4.7	7.0	9.3	16.4	23.4	30.4	39.7	49.1
150°	2.3	2.3	2.3	4.7	7.0	9.3	11.7	16.4	23.4	32.7	39.7
152.5°	2.3	2.3	2.3	4.7	4.7	7.0	9.3	11.7	16.4	23.4	28.0
155°	2.3	2.3	2.3	2.3	4.7	7.0	9.3	9.3	11.7	16.4	21.0
157.5°	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0	9.3	9.3	14.0
160°	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0	7.0	7.0
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7	7.0	7.0
165°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6
2.5°	2199.3	2201.6	2208.6	2208.6	2203.9	2203.9	2201.6	2199.3	2201.6	2206.3	2206.3
5°	2194.6	2196.9	2203.9	2206.3	2201.6	2199.3	2199.3	2196.9	2199.3	2203.9	2203.9
7.5°	2185.2	2187.6	2194.6	2196.9	2192.3	2192.3	2189.9	2187.6	2192.3	2194.6	2194.6
10°	2171.2	2173.6	2182.9	2185.2	2182.9	2180.6	2180.6	2178.2	2180.6	2185.2	2185.2
12.5°	2152.5	2157.2	2168.9	2168.9	2168.9	2166.5	2166.5	2164.2	2166.5	2171.2	2168.9
15°	2131.5	2140.8	2150.2	2154.9	2154.9	2154.9	2152.5	2150.2	2154.9	2157.2	2154.9
17.5°	2108.1	2119.8	2133.8	2138.5	2138.5	2140.8	2138.5	2136.2	2140.8	2140.8	2138.5
20°	2084.7	2096.4	2110.5	2115.1	2119.8	2122.1	2122.1	2119.8	2122.1	2124.5	2122.1
22.5°	2054.4	2068.4	2084.7	2091.8	2096.4	2101.1	2101.1	2101.1	2103.4	2105.8	2101.1
25°	2021.6	2038.0	2056.7	2063.7	2073.1	2075.4	2077.7	2077.7	2080.1	2082.4	2075.4
27.5°	1986.6	2005.3	2024.0	2035.7	2042.7	2047.3	2047.3	2049.7	2052.0	2054.4	2047.3
30°	1944.5	1972.6	1988.9	1998.3	2007.6	2014.6	2017.0	2019.3	2021.6	2024.0	2017.0
32.5°	1907.1	1930.5	1951.5	1963.2	1974.9	1984.2	1986.6	1986.6	1991.3	1991.3	1984.2
35°	1862.7	1890.8	1911.8	1923.5	1937.5	1944.5	1949.2	1949.2	1953.9	1953.9	1946.8
37.5°	1818.3	1846.4	1869.7	1883.7	1900.1	1909.5	1911.8	1911.8	1916.5	1916.5	1907.1
40°	1771.6	1801.9	1827.7	1844.0	1858.0	1869.7	1872.1	1879.1	1879.1	1876.7	1867.4
42.5°	1724.8	1752.9	1780.9	1799.6	1818.3	1830.0	1834.7	1837.0	1837.0	1834.7	1827.7
45°	1673.4	1706.1	1731.8	1755.2	1773.9	1785.6	1792.6	1794.9	1794.9	1790.3	1783.2
47.5°	1624.3	1657.0	1682.8	1708.5	1727.2	1741.2	1748.2	1750.5	1748.2	1745.9	1738.8
50°	1572.9	1610.3	1636.0	1661.7	1680.4	1692.1	1703.8	1706.1	1703.8	1701.4	1687.4
52.5°	1519.2	1558.9	1586.9	1612.6	1633.7	1647.7	1657.0	1659.4	1659.4	1654.7	1645.4
55°	1465.4	1500.5	1535.5	1563.6	1586.9	1601.0	1612.6	1617.3	1612.6	1608.0	1596.3
57.5°	1416.3	1449.0	1484.1	1514.5	1537.8	1556.5	1565.9	1570.6	1565.9	1558.9	1547.2
60°	1357.9	1392.9	1432.7	1460.7	1486.4	1505.1	1509.8	1519.2	1514.5	1507.5	1495.8
62.5°	1301.8	1343.9	1378.9	1414.0	1435.0	1456.0	1465.4	1470.1	1465.4	1458.4	1446.7
65°	1243.4	1290.1	1325.2	1360.2	1383.6	1404.6	1416.3	1418.7	1414.0	1407.0	1395.3
67.5°	1189.6	1234.0	1271.4	1308.8	1329.8	1350.9	1362.6	1367.2	1362.6	1353.2	1341.5
70°	1135.9	1180.3	1224.7	1252.7	1278.4	1301.8	1308.8	1315.8	1311.1	1301.8	1287.8
72.5°	1082.1	1128.8	1173.3	1201.3	1229.3	1250.4	1259.7	1266.7	1262.1	1252.7	1236.4
75°	1026.0	1075.1	1119.5	1149.9	1177.9	1199.0	1208.3	1215.3	1210.6	1201.3	1182.6
77.5°	974.6	1023.7	1065.7	1098.5	1126.5	1145.2	1161.6	1163.9	1159.2	1149.9	1131.2
80°	920.8	969.9	1014.3	1047.0	1075.1	1093.8	1105.5	1112.5	1107.8	1098.5	1079.8
82.5°	874.1	918.5	962.9	995.6	1023.7	1047.0	1056.4	1063.4	1061.1	1047.0	1033.0
85°	822.7	874.1	909.2	944.2	972.3	995.6	1002.6	1012.0	1009.7	998.0	979.3
87.5°	771.3	822.7	864.7	899.8	925.5	944.2	955.9	960.6	958.2	946.5	925.5
90°	729.2	775.9	818.0	855.4	876.4	897.5	909.2	911.5	911.5	897.5	881.1
92.5°	689.5	733.9	775.9	811.0	836.7	855.4	864.7	869.4	867.1	855.4	836.7
95°	645.1	694.1	733.9	768.9	794.6	813.3	822.7	827.4	825.0	813.3	794.6
97.5°	607.7	652.1	691.8	724.5	750.2	768.9	778.3	782.9	782.9	771.3	752.6
100°	570.3	614.7	652.1	684.8	708.2	726.9	736.2	738.5	736.2	726.9	708.2
102.5°	532.9	574.9	612.3	642.7	668.4	684.8	694.1	696.5	696.5	684.8	666.1
105°	495.5	537.5	572.6	605.3	626.4	642.7	649.7	656.7	654.4	645.1	626.4
107.5°	460.4	502.5	535.2	565.6	586.6	603.0	610.0	617.0	614.7	605.3	586.6
110°	427.7	467.4	497.8	528.2	546.9	563.3	574.9	577.3	572.6	563.3	546.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	397.3	432.4	462.8	490.8	511.8	523.5	532.9	537.5	532.9	523.5	511.8
115°	364.6	399.7	430.0	455.7	474.4	488.5	495.5	500.2	495.5	486.1	474.4
117.5°	334.2	366.9	397.3	423.0	439.4	451.1	458.1	462.8	458.1	451.1	439.4
120°	308.5	336.6	364.6	388.0	406.7	416.0	423.0	427.7	425.4	416.0	404.3
122.5°	278.1	308.5	334.2	357.6	373.9	383.3	388.0	392.6	390.3	383.3	371.6
125°	252.4	278.1	303.8	324.9	341.2	350.6	355.2	359.9	357.6	350.6	336.6
127.5°	224.4	252.4	273.4	294.5	306.2	320.2	322.5	327.2	324.9	317.9	306.2
130°	203.3	224.4	245.4	264.1	278.1	287.5	292.1	294.5	289.8	285.1	273.4
132.5°	177.6	201.0	219.7	236.1	245.4	254.7	259.4	261.8	261.8	254.7	245.4
135°	158.9	175.3	191.6	208.0	217.4	226.7	231.4	233.7	231.4	226.7	217.4
137.5°	142.6	156.6	168.3	182.3	194.0	198.7	203.3	203.3	201.0	198.7	191.6
140°	123.9	140.2	151.9	161.3	170.6	172.9	177.6	177.6	175.3	172.9	168.3
142.5°	105.2	119.2	130.9	142.6	149.6	154.3	156.6	158.9	156.6	154.3	147.2
145°	84.1	100.5	112.2	119.2	128.5	130.9	133.2	135.6	133.2	130.9	123.9
147.5°	65.4	79.5	91.1	100.5	107.5	109.8	112.2	114.5	112.2	107.5	105.2
150°	46.7	58.4	72.5	81.8	86.5	91.1	91.1	91.1	93.5	88.8	84.1
152.5°	37.4	42.1	51.4	60.8	67.8	70.1	72.5	72.5	70.1	70.1	65.4
155°	25.7	30.4	37.4	44.4	51.4	53.8	56.1	56.1	53.8	53.8	51.4
157.5°	16.4	21.0	25.7	30.4	37.4	39.7	42.1	42.1	42.1	39.7	37.4
160°	9.3	11.7	14.0	18.7	23.4	25.7	28.0	28.0	28.0	28.0	25.7
162.5°	7.0	7.0	7.0	9.3	11.7	14.0	16.4	16.4	16.4	16.4	14.0
165°	4.7	4.7	4.7	4.7	4.7	7.0	9.3	9.3	9.3	9.3	9.3
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6
2.5°	2203.9	2203.9	2206.3	2201.6	2187.6	2189.9	2189.9	2199.3	2203.9	2206.3	2218.0
5°	2199.3	2199.3	2203.9	2196.9	2185.2	2185.2	2185.2	2194.6	2196.9	2201.6	2210.9
7.5°	2192.3	2192.3	2194.6	2187.6	2173.6	2173.6	2171.2	2180.6	2185.2	2187.6	2196.9
10°	2180.6	2180.6	2182.9	2175.9	2159.5	2159.5	2157.2	2164.2	2166.5	2171.2	2178.2
12.5°	2164.2	2164.2	2164.2	2157.2	2140.8	2138.5	2136.2	2143.2	2143.2	2145.5	2152.5
15°	2150.2	2145.5	2145.5	2138.5	2122.1	2117.5	2112.8	2115.1	2119.8	2117.5	2122.1
17.5°	2133.8	2129.1	2124.5	2117.5	2096.4	2089.4	2084.7	2087.1	2084.7	2082.4	2087.1
20°	2115.1	2108.1	2105.8	2094.1	2073.1	2061.4	2052.0	2047.3	2049.7	2042.7	2045.0
22.5°	2094.1	2084.7	2080.1	2066.0	2045.0	2031.0	2019.3	2010.0	2007.6	1998.3	2000.6
25°	2068.4	2056.7	2049.7	2038.0	2014.6	1998.3	1984.2	1970.2	1963.2	1951.5	1949.2
27.5°	2038.0	2026.3	2017.0	2005.3	1981.9	1960.9	1944.5	1925.8	1916.5	1902.4	1895.4
30°	2007.6	1993.6	1979.6	1970.2	1944.5	1921.1	1895.4	1879.1	1865.0	1848.7	1837.0
32.5°	1970.2	1956.2	1942.2	1928.2	1904.8	1876.7	1855.7	1830.0	1813.6	1794.9	1780.9
35°	1932.8	1914.1	1900.1	1881.4	1860.4	1827.7	1801.9	1776.2	1755.2	1734.2	1717.8
37.5°	1890.8	1876.7	1855.7	1839.3	1813.6	1780.9	1752.9	1720.1	1701.4	1673.4	1652.4
40°	1851.0	1834.7	1813.6	1792.6	1766.9	1729.5	1699.1	1661.7	1640.7	1608.0	1586.9
42.5°	1811.3	1787.9	1766.9	1743.5	1715.5	1680.4	1643.0	1605.6	1577.6	1547.2	1516.8
45°	1766.9	1741.2	1715.5	1689.8	1661.7	1626.7	1586.9	1547.2	1512.1	1484.1	1446.7
47.5°	1720.1	1694.4	1664.1	1636.0	1605.6	1570.6	1528.5	1486.4	1449.0	1416.3	1376.6
50°	1673.4	1647.7	1615.0	1584.6	1549.5	1514.5	1470.1	1421.0	1381.3	1339.2	1304.1
52.5°	1624.3	1598.6	1568.2	1528.5	1491.1	1456.0	1409.3	1357.9	1313.5	1278.4	1234.0
55°	1575.2	1549.5	1514.5	1474.7	1437.4	1392.9	1348.5	1297.1	1248.0	1206.0	1161.6
57.5°	1523.8	1500.5	1460.7	1428.0	1381.3	1334.5	1287.8	1238.7	1184.9	1135.9	1084.4
60°	1472.4	1446.7	1409.3	1369.6	1322.8	1276.1	1227.0	1173.3	1117.2	1063.4	1016.7
62.5°	1425.7	1392.9	1357.9	1315.8	1266.7	1222.3	1166.2	1107.8	1051.7	995.6	939.5
65°	1371.9	1336.9	1304.1	1262.1	1210.6	1159.2	1103.1	1044.7	983.9	923.2	867.1
67.5°	1318.2	1283.1	1248.0	1206.0	1152.2	1098.5	1040.0	981.6	913.8	855.4	790.0
70°	1264.4	1236.4	1191.9	1147.5	1098.5	1040.0	981.6	918.5	848.4	785.3	717.5
72.5°	1210.6	1182.6	1138.2	1091.5	1044.7	983.9	920.8	857.7	792.3	719.8	647.4
75°	1159.2	1124.2	1084.4	1040.0	991.0	927.9	864.7	799.3	722.2	654.4	579.6
77.5°	1110.1	1077.4	1037.7	988.6	934.9	874.1	808.7	740.9	663.8	591.3	509.5
80°	1056.4	1023.7	983.9	934.9	881.1	822.7	752.6	682.4	607.7	528.2	444.1
82.5°	1005.0	974.6	930.2	885.8	827.4	768.9	698.8	628.7	549.2	472.1	390.3
85°	951.2	920.8	878.8	832.0	775.9	712.8	647.4	577.3	497.8	418.4	336.6
87.5°	904.5	869.4	827.4	780.6	724.5	663.8	600.6	525.9	448.7	371.6	287.5
90°	855.4	822.7	780.6	733.9	677.8	617.0	551.6	481.5	406.7	327.2	247.7
92.5°	813.3	778.3	738.5	691.8	635.7	577.3	511.8	441.7	369.3	292.1	215.0
95°	771.3	736.2	698.8	652.1	596.0	537.5	472.1	404.3	334.2	259.4	187.0
97.5°	724.5	694.1	656.7	612.3	556.2	500.2	437.0	371.6	303.8	231.4	163.6
100°	687.1	652.1	617.0	570.3	518.8	465.1	402.0	338.9	273.4	205.7	142.6
102.5°	645.1	612.3	577.3	532.9	481.5	427.7	369.3	308.5	247.7	184.6	123.9
105°	605.3	574.9	537.5	495.5	446.4	395.0	338.9	282.8	224.4	163.6	109.8
107.5°	565.6	535.2	500.2	460.4	413.7	362.3	310.8	254.7	201.0	147.2	98.2
110°	525.9	497.8	465.1	425.4	381.0	334.2	285.1	233.7	180.0	130.9	86.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	490.8	462.8	430.0	392.6	350.6	306.2	259.4	210.3	161.3	116.9	74.8
115°	455.7	430.0	397.3	364.6	322.5	280.5	236.1	189.3	144.9	105.2	65.4
117.5°	420.7	395.0	364.6	331.9	294.5	254.7	212.7	168.3	130.9	93.5	58.4
120°	385.6	362.3	334.2	303.8	271.1	231.4	189.3	151.9	116.9	81.8	51.4
122.5°	352.9	331.9	306.2	278.1	243.1	205.7	170.6	137.9	105.2	72.5	42.1
125°	322.5	301.5	278.1	250.1	217.4	184.6	154.3	123.9	91.1	63.1	35.1
127.5°	292.1	271.1	247.7	222.0	196.3	165.9	137.9	109.8	81.8	56.1	30.4
130°	261.8	243.1	222.0	201.0	175.3	147.2	123.9	95.8	70.1	44.4	25.7
132.5°	231.4	217.4	198.7	177.6	154.3	133.2	107.5	84.1	60.8	39.7	23.4
135°	205.7	191.6	175.3	156.6	137.9	116.9	93.5	72.5	51.4	32.7	18.7
137.5°	182.3	170.6	154.3	137.9	121.5	100.5	81.8	60.8	42.1	28.0	14.0
140°	161.3	149.6	135.6	119.2	105.2	86.5	67.8	49.1	37.4	23.4	11.7
142.5°	140.2	128.5	116.9	102.8	88.8	72.5	56.1	42.1	30.4	18.7	11.7
145°	119.2	109.8	98.2	86.5	72.5	58.4	46.7	35.1	23.4	14.0	9.3
147.5°	98.2	91.1	79.5	70.1	58.4	46.7	37.4	28.0	18.7	11.7	7.0
150°	79.5	72.5	63.1	53.8	46.7	37.4	30.4	21.0	14.0	11.7	7.0
152.5°	60.8	56.1	49.1	44.4	37.4	28.0	21.0	16.4	11.7	9.3	4.7
155°	49.1	44.4	39.7	32.7	28.0	21.0	16.4	11.7	9.3	7.0	4.7
157.5°	35.1	32.7	28.0	23.4	18.7	14.0	11.7	11.7	7.0	4.7	2.3
160°	23.4	21.0	18.7	14.0	11.7	11.7	9.3	7.0	4.7	4.7	2.3
162.5°	14.0	11.7	11.7	11.7	9.3	9.3	7.0	4.7	4.7	2.3	2.3
165°	9.3	9.3	9.3	7.0	7.0	7.0	4.7	2.3	2.3	2.3	2.3
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6
2.5°	2218.0	2210.9	2220.3	2236.7	2239.0	2236.7	2232.0	2239.0	2248.3	2246.0	2229.6
5°	2213.3	2203.9	2213.3	2229.6	2229.6	2227.3	2225.0	2232.0	2241.3	2239.0	2225.0
7.5°	2199.3	2189.9	2199.3	2213.3	2215.6	2210.9	2210.9	2218.0	2227.3	2225.0	2213.3
10°	2180.6	2171.2	2175.9	2192.3	2196.9	2192.3	2192.3	2199.3	2210.9	2208.6	2194.6
12.5°	2152.5	2145.5	2150.2	2164.2	2168.9	2166.5	2164.2	2173.6	2185.2	2185.2	2171.2
15°	2122.1	2112.8	2117.5	2133.8	2136.2	2131.5	2133.8	2140.8	2154.9	2154.9	2143.2
17.5°	2087.1	2075.4	2082.4	2094.1	2096.4	2096.4	2096.4	2105.8	2122.1	2119.8	2110.5
20°	2047.3	2031.0	2035.7	2047.3	2052.0	2052.0	2052.0	2068.4	2080.1	2080.1	2070.7
22.5°	2000.6	1988.9	1988.9	2000.6	2007.6	2005.3	2005.3	2019.3	2035.7	2033.3	2033.3
25°	1946.8	1937.5	1932.8	1946.8	1949.2	1951.5	1956.2	1970.2	1988.9	1988.9	1991.3
27.5°	1890.8	1881.4	1879.1	1890.8	1893.1	1895.4	1900.1	1916.5	1935.2	1937.5	1942.2
30°	1837.0	1823.0	1818.3	1827.7	1832.3	1834.7	1834.7	1860.4	1876.7	1883.7	1893.1
32.5°	1773.9	1759.9	1748.2	1764.6	1766.9	1771.6	1773.9	1799.6	1818.3	1830.0	1844.0
35°	1710.8	1687.4	1682.8	1694.4	1699.1	1701.4	1706.1	1734.2	1759.9	1769.2	1787.9
37.5°	1640.7	1624.3	1610.3	1622.0	1626.7	1629.0	1643.0	1668.7	1694.4	1708.5	1727.2
40°	1575.2	1554.2	1542.5	1549.5	1554.2	1556.5	1572.9	1601.0	1631.3	1647.7	1671.1
42.5°	1502.8	1474.7	1465.4	1472.4	1474.7	1481.8	1495.8	1533.2	1563.6	1586.9	1605.6
45°	1430.3	1409.3	1388.3	1395.3	1397.6	1402.3	1423.3	1463.1	1495.8	1523.8	1544.9
47.5°	1355.5	1329.8	1308.8	1313.5	1322.8	1325.2	1348.5	1395.3	1425.7	1456.0	1484.1
50°	1280.8	1245.7	1229.3	1229.3	1234.0	1245.7	1276.1	1322.8	1355.5	1390.6	1421.0
52.5°	1203.6	1170.9	1152.2	1154.6	1159.2	1173.3	1201.3	1248.0	1285.4	1322.8	1360.2
55°	1126.5	1091.5	1072.8	1068.1	1072.8	1091.5	1124.2	1173.3	1210.6	1255.1	1294.8
57.5°	1049.4	1007.3	991.0	983.9	988.6	1012.0	1044.7	1096.1	1142.9	1184.9	1231.7
60°	965.2	932.5	904.5	888.1	899.8	930.2	965.2	1019.0	1068.1	1114.8	1166.2
62.5°	892.8	850.7	820.3	804.0	815.7	841.4	890.5	941.9	995.6	1049.4	1100.8
65°	811.0	768.9	733.9	717.5	729.2	759.6	808.7	864.7	923.2	976.9	1037.7
67.5°	731.5	687.1	645.1	628.7	642.7	675.4	729.2	792.3	855.4	911.5	976.9
70°	654.4	605.3	560.9	549.2	558.6	603.0	654.4	717.5	782.9	848.4	916.2
72.5°	584.3	523.5	476.8	462.8	474.4	523.5	582.0	647.4	717.5	787.6	860.1
75°	502.5	446.4	395.0	378.6	392.6	437.0	509.5	579.6	654.4	729.2	797.0
77.5°	437.0	371.6	317.9	292.1	315.5	371.6	441.7	516.5	593.6	670.8	747.9
80°	369.3	301.5	243.1	215.0	240.7	301.5	371.6	453.4	539.9	617.0	687.1
82.5°	308.5	236.1	175.3	144.9	172.9	240.7	317.9	399.7	483.8	560.9	642.7
85°	252.4	177.6	114.5	81.8	121.5	182.3	264.1	348.2	434.7	514.2	593.6
87.5°	205.7	133.2	70.1	35.1	74.8	142.6	219.7	303.8	390.3	469.8	544.6
90°	168.3	95.8	37.4	4.7	44.4	107.5	182.3	264.1	345.9	427.7	502.5
92.5°	137.9	72.5	21.0	2.3	28.0	86.5	156.6	233.7	313.2	392.6	465.1
95°	114.5	56.1	14.0	2.3	21.0	67.8	133.2	208.0	282.8	359.9	432.4
97.5°	98.2	46.7	11.7	2.3	16.4	58.4	114.5	184.6	257.1	329.5	399.7
100°	84.1	37.4	9.3	2.3	14.0	49.1	100.5	163.6	231.4	301.5	369.3
102.5°	72.5	30.4	7.0	2.3	11.7	42.1	88.8	147.2	208.0	275.8	341.2
105°	63.1	25.7	7.0	2.3	9.3	37.4	79.5	130.9	191.6	252.4	315.5
107.5°	53.8	21.0	4.7	2.3	7.0	30.4	70.1	119.2	172.9	231.4	289.8
110°	46.7	18.7	4.7	2.3	7.0	28.0	60.8	107.5	156.6	210.3	266.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	39.7	14.0	4.7	2.3	4.7	23.4	53.8	95.8	142.6	191.6	245.4
115°	35.1	11.7	2.3	2.3	4.7	21.0	49.1	86.5	128.5	175.3	224.4
117.5°	28.0	9.3	2.3	2.3	2.3	16.4	42.1	77.1	116.9	161.3	205.7
120°	23.4	9.3	2.3	2.3	2.3	14.0	37.4	67.8	105.2	144.9	187.0
122.5°	21.0	7.0	2.3	2.3	2.3	11.7	32.7	60.8	93.5	130.9	170.6
125°	18.7	7.0	2.3	2.3	2.3	9.3	28.0	53.8	84.1	116.9	154.3
127.5°	14.0	7.0	2.3	2.3	2.3	7.0	25.7	46.7	74.8	105.2	137.9
130°	11.7	4.7	2.3	2.3	2.3	7.0	21.0	42.1	65.4	93.5	123.9
132.5°	9.3	4.7	2.3	2.3	2.3	4.7	16.4	32.7	56.1	81.8	109.8
135°	9.3	4.7	2.3	2.3	2.3	4.7	11.7	28.0	46.7	70.1	93.5
137.5°	9.3	2.3	2.3	2.3	2.3	4.7	9.3	21.0	37.4	56.1	77.1
140°	7.0	2.3	2.3	2.3	2.3	2.3	7.0	16.4	30.4	46.7	65.4
142.5°	7.0	2.3	2.3	2.3	2.3	2.3	7.0	11.7	23.4	37.4	51.4
145°	4.7	2.3	2.3	2.3	2.3	2.3	4.7	9.3	18.7	28.0	42.1
147.5°	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	14.0	23.4	32.7
150°	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	9.3	16.4	25.7
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	11.7	16.4
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	9.3	11.7
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	9.3
160°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
165°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6
2.5°	2222.6	2206.3	2210.9	2208.6	2213.3	2220.3	2220.3	2218.0	2218.0	2213.3	2208.6
5°	2218.0	2201.6	2208.6	2206.3	2210.9	2218.0	2218.0	2215.6	2215.6	2208.6	2206.3
7.5°	2203.9	2192.3	2196.9	2196.9	2201.6	2208.6	2208.6	2206.3	2206.3	2199.3	2196.9
10°	2189.9	2175.9	2182.9	2182.9	2187.6	2196.9	2196.9	2194.6	2194.6	2187.6	2185.2
12.5°	2166.5	2152.5	2164.2	2166.5	2171.2	2180.6	2178.2	2178.2	2178.2	2171.2	2168.9
15°	2138.5	2129.1	2140.8	2143.2	2150.2	2161.9	2161.9	2161.9	2161.9	2154.9	2152.5
17.5°	2108.1	2101.1	2112.8	2117.5	2126.8	2138.5	2138.5	2140.8	2143.2	2138.5	2136.2
20°	2073.1	2068.4	2080.1	2089.4	2103.4	2115.1	2119.8	2122.1	2126.8	2122.1	2119.8
22.5°	2033.3	2033.3	2049.7	2059.0	2075.4	2087.1	2094.1	2101.1	2105.8	2101.1	2098.8
25°	1988.9	1995.9	2012.3	2028.7	2047.3	2059.0	2066.0	2075.4	2080.1	2077.7	2075.4
27.5°	1946.8	1956.2	1977.2	1993.6	2010.0	2028.7	2035.7	2047.3	2052.0	2052.0	2049.7
30°	1897.8	1911.8	1935.2	1953.9	1974.9	1993.6	2002.9	2014.6	2021.6	2017.0	2019.3
32.5°	1851.0	1874.4	1893.1	1914.1	1937.5	1956.2	1967.9	1981.9	1988.9	1986.6	1988.9
35°	1799.6	1823.0	1848.7	1869.7	1897.8	1916.5	1932.8	1944.5	1953.9	1951.5	1951.5
37.5°	1743.5	1773.9	1799.6	1827.7	1853.4	1874.4	1890.8	1904.8	1914.1	1914.1	1914.1
40°	1689.8	1722.5	1748.2	1780.9	1813.6	1832.3	1851.0	1865.0	1874.4	1876.7	1879.1
42.5°	1631.3	1666.4	1696.8	1731.8	1764.6	1787.9	1809.0	1825.3	1834.7	1839.3	1837.0
45°	1577.6	1610.3	1645.4	1685.1	1715.5	1738.8	1764.6	1783.2	1792.6	1794.9	1797.3
47.5°	1516.8	1554.2	1593.9	1633.7	1664.1	1694.4	1717.8	1736.5	1745.9	1752.9	1752.9
50°	1458.4	1498.1	1542.5	1584.6	1617.3	1647.7	1671.1	1692.1	1703.8	1708.5	1710.8
52.5°	1404.6	1442.0	1488.8	1530.8	1563.6	1593.9	1624.3	1647.7	1659.4	1664.1	1664.1
55°	1339.2	1385.9	1437.4	1477.1	1512.1	1547.2	1577.6	1601.0	1612.6	1619.6	1624.3
57.5°	1278.4	1327.5	1381.3	1423.3	1465.4	1498.1	1526.2	1556.5	1565.9	1575.2	1577.6
60°	1220.0	1269.1	1320.5	1367.2	1409.3	1444.4	1477.1	1502.8	1519.2	1523.8	1528.5
62.5°	1159.2	1210.6	1264.4	1311.1	1355.5	1397.6	1428.0	1451.4	1470.1	1477.1	1481.8
65°	1100.8	1154.6	1208.3	1257.4	1304.1	1346.2	1376.6	1400.0	1418.7	1430.3	1432.7
67.5°	1037.7	1096.1	1152.2	1203.6	1250.4	1294.8	1325.2	1348.5	1367.2	1381.3	1383.6
70°	979.3	1040.0	1096.1	1152.2	1199.0	1243.4	1276.1	1299.5	1320.5	1329.8	1334.5
72.5°	923.2	986.3	1044.7	1100.8	1147.5	1191.9	1227.0	1250.4	1271.4	1283.1	1285.4
75°	869.4	932.5	995.6	1049.4	1098.5	1142.9	1177.9	1203.6	1222.3	1234.0	1238.7
77.5°	815.7	881.1	944.2	998.0	1049.4	1093.8	1124.2	1154.6	1173.3	1187.3	1187.3
80°	761.9	829.7	895.1	948.9	1000.3	1040.0	1075.1	1105.5	1124.2	1138.2	1138.2
82.5°	715.2	780.6	843.7	897.5	948.9	993.3	1028.3	1056.4	1077.4	1086.8	1089.1
85°	661.4	733.9	792.3	850.7	899.8	941.9	976.9	1007.3	1026.0	1035.4	1040.0
87.5°	617.0	687.1	750.2	801.6	850.7	892.8	932.5	958.2	976.9	988.6	993.3
90°	574.9	642.7	705.8	757.2	808.7	848.4	885.8	911.5	932.5	941.9	946.5
92.5°	537.5	605.3	666.1	717.5	766.6	811.0	846.1	871.8	890.5	899.8	906.8
95°	502.5	567.9	626.4	682.4	729.2	768.9	806.3	832.0	853.1	860.1	867.1
97.5°	467.4	530.5	589.0	642.7	691.8	729.2	764.2	790.0	806.3	818.0	825.0
100°	437.0	497.8	553.9	605.3	652.1	687.1	724.5	747.9	764.2	773.6	782.9
102.5°	404.3	465.1	518.8	567.9	617.0	649.7	684.8	708.2	722.2	738.5	738.5
105°	376.3	432.4	486.1	532.9	574.9	614.7	645.1	668.4	684.8	696.5	696.5
107.5°	345.9	402.0	453.4	502.5	542.2	579.6	607.7	628.7	647.4	654.4	661.4
110°	322.5	371.6	423.0	469.8	507.2	542.2	570.3	593.6	610.0	617.0	621.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	294.5	345.9	392.6	437.0	474.4	507.2	535.2	553.9	570.3	579.6	582.0
115°	271.1	320.2	362.3	404.3	444.1	472.1	497.8	516.5	532.9	539.9	544.6
117.5°	250.1	294.5	336.6	371.6	409.0	439.4	465.1	481.5	495.5	504.8	509.5
120°	229.0	271.1	308.5	343.6	378.6	406.7	430.0	446.4	462.8	469.8	469.8
122.5°	208.0	247.7	282.8	315.5	348.2	373.9	399.7	413.7	427.7	434.7	434.7
125°	189.3	226.7	259.4	289.8	320.2	343.6	364.6	381.0	395.0	399.7	399.7
127.5°	170.6	205.7	236.1	264.1	289.8	313.2	334.2	350.6	362.3	366.9	366.9
130°	154.3	184.6	212.7	240.7	266.4	285.1	306.2	320.2	327.2	334.2	336.6
132.5°	137.9	165.9	191.6	215.0	240.7	259.4	275.8	289.8	296.8	303.8	306.2
135°	121.5	147.2	170.6	194.0	215.0	233.7	247.7	259.4	268.8	273.4	275.8
137.5°	102.8	130.9	151.9	170.6	194.0	208.0	224.4	231.4	240.7	245.4	245.4
140°	86.5	107.5	130.9	149.6	168.3	182.3	196.3	208.0	215.0	217.4	217.4
142.5°	70.1	88.8	107.5	130.9	147.2	158.9	172.9	182.3	187.0	189.3	191.6
145°	56.1	70.1	86.5	107.5	126.2	140.2	147.2	156.6	161.3	163.6	165.9
147.5°	42.1	56.1	70.1	84.1	102.8	116.9	123.9	133.2	137.9	140.2	140.2
150°	32.7	42.1	51.4	65.4	79.5	95.8	105.2	112.2	114.5	116.9	116.9
152.5°	23.4	32.7	39.7	49.1	58.4	72.5	86.5	91.1	93.5	95.8	95.8
155°	16.4	23.4	28.0	35.1	42.1	53.8	65.4	72.5	74.8	77.1	77.1
157.5°	11.7	16.4	18.7	25.7	30.4	35.1	44.4	56.1	58.4	58.4	58.4
160°	7.0	9.3	11.7	16.4	18.7	23.4	28.0	35.1	42.1	42.1	42.1
162.5°	4.7	7.0	7.0	9.3	9.3	14.0	16.4	18.7	25.7	28.0	28.0
165°	2.3	4.7	4.7	4.7	4.7	4.7	7.0	7.0	11.7	14.0	14.0
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6
2.5°	2210.9	2215.6	2213.3	2213.3	2213.3	2218.0	2213.3	2192.3	2196.9	2201.6	2206.3
5°	2208.6	2210.9	2210.9	2208.6	2208.6	2213.3	2208.6	2187.6	2192.3	2196.9	2199.3
7.5°	2199.3	2201.6	2201.6	2201.6	2199.3	2203.9	2196.9	2178.2	2178.2	2182.9	2185.2
10°	2187.6	2192.3	2189.9	2187.6	2187.6	2187.6	2182.9	2161.9	2161.9	2164.2	2166.5
12.5°	2173.6	2173.6	2173.6	2171.2	2168.9	2168.9	2164.2	2143.2	2140.8	2145.5	2143.2
15°	2154.9	2159.5	2154.9	2152.5	2147.8	2147.8	2140.8	2119.8	2115.1	2117.5	2115.1
17.5°	2138.5	2140.8	2136.2	2131.5	2126.8	2124.5	2117.5	2094.1	2087.1	2089.4	2084.7
20°	2122.1	2122.1	2117.5	2112.8	2105.8	2098.8	2089.4	2066.0	2054.4	2054.4	2045.0
22.5°	2101.1	2101.1	2096.4	2089.4	2082.4	2073.1	2063.7	2040.3	2021.6	2017.0	2010.0
25°	2077.7	2075.4	2073.1	2066.0	2052.0	2042.7	2033.3	2007.6	1986.6	1977.2	1965.5
27.5°	2049.7	2049.7	2042.7	2035.7	2021.6	2010.0	1998.3	1974.9	1946.8	1935.2	1918.8
30°	2019.3	2019.3	2012.3	2002.9	1988.9	1974.9	1960.9	1932.8	1904.8	1888.4	1869.7
32.5°	1988.9	1986.6	1979.6	1970.2	1956.2	1935.2	1923.5	1895.4	1862.7	1844.0	1818.3
35°	1951.5	1949.2	1942.2	1930.5	1911.8	1895.4	1876.7	1851.0	1813.6	1790.3	1762.2
37.5°	1914.1	1911.8	1907.1	1890.8	1872.1	1853.4	1830.0	1804.3	1769.2	1738.8	1710.8
40°	1876.7	1874.4	1865.0	1853.4	1830.0	1806.6	1783.2	1757.5	1720.1	1685.1	1654.7
42.5°	1837.0	1834.7	1823.0	1809.0	1783.2	1759.9	1731.8	1703.8	1666.4	1624.3	1593.9
45°	1797.3	1792.6	1780.9	1764.6	1736.5	1710.8	1682.8	1650.0	1612.6	1572.9	1533.2
47.5°	1755.2	1748.2	1736.5	1713.1	1689.8	1661.7	1629.0	1593.9	1556.5	1512.1	1470.1
50°	1708.5	1703.8	1689.8	1668.7	1640.7	1612.6	1575.2	1540.2	1495.8	1453.7	1402.3
52.5°	1664.1	1654.7	1643.0	1619.6	1591.6	1561.2	1521.5	1479.4	1435.0	1395.3	1341.5
55°	1617.3	1612.6	1596.3	1577.6	1542.5	1507.5	1470.1	1425.7	1376.6	1329.8	1278.4
57.5°	1572.9	1563.6	1549.5	1523.8	1493.4	1458.4	1418.7	1371.9	1318.2	1269.1	1213.0
60°	1528.5	1514.5	1498.1	1474.7	1442.0	1404.6	1362.6	1313.5	1259.7	1206.0	1147.5
62.5°	1479.4	1467.7	1449.0	1425.7	1392.9	1353.2	1308.8	1257.4	1206.0	1149.9	1086.8
65°	1430.3	1418.7	1400.0	1376.6	1343.9	1299.5	1252.7	1201.3	1142.9	1089.1	1021.3
67.5°	1381.3	1369.6	1348.5	1322.8	1290.1	1248.0	1199.0	1145.2	1086.8	1028.3	958.2
70°	1332.2	1318.2	1299.5	1271.4	1238.7	1194.3	1145.2	1089.1	1030.7	967.6	897.5
72.5°	1283.1	1271.4	1248.0	1222.3	1187.3	1142.9	1093.8	1037.7	976.9	911.5	841.4
75°	1234.0	1220.0	1203.6	1173.3	1135.9	1093.8	1042.4	986.3	920.8	857.7	785.3
77.5°	1184.9	1173.3	1152.2	1121.8	1086.8	1042.4	991.0	934.9	869.4	804.0	726.9
80°	1135.9	1121.8	1105.5	1077.4	1037.7	993.3	939.5	883.4	818.0	750.2	673.1
82.5°	1086.8	1072.8	1054.1	1026.0	988.6	944.2	892.8	832.0	766.6	696.5	624.0
85°	1037.7	1026.0	1005.0	976.9	937.2	892.8	841.4	787.6	717.5	647.4	574.9
87.5°	988.6	976.9	955.9	927.9	890.5	846.1	794.6	738.5	670.8	605.3	525.9
90°	941.9	932.5	911.5	883.4	846.1	801.6	754.9	694.1	628.7	563.3	488.5
92.5°	899.8	890.5	871.8	843.7	811.0	761.9	715.2	656.7	591.3	523.5	451.1
95°	862.4	850.7	832.0	806.3	766.6	724.5	677.8	619.3	556.2	488.5	418.4
97.5°	820.3	808.7	790.0	761.9	729.2	684.8	638.0	582.0	518.8	455.7	385.6
100°	778.3	766.6	745.6	722.2	689.5	645.1	600.6	544.6	486.1	425.4	357.6
102.5°	736.2	724.5	705.8	682.4	649.7	610.0	565.6	511.8	453.4	392.6	329.5
105°	696.5	684.8	666.1	642.7	612.3	572.6	525.9	479.1	423.0	364.6	303.8
107.5°	656.7	645.1	628.7	605.3	574.9	537.5	493.1	444.1	392.6	336.6	278.1
110°	617.0	607.7	589.0	567.9	537.5	500.2	460.4	413.7	362.3	310.8	254.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	579.6	570.3	551.6	528.2	502.5	467.4	427.7	383.3	334.2	285.1	231.4
115°	542.2	530.5	514.2	493.1	467.4	434.7	397.3	357.6	308.5	261.8	212.7
117.5°	504.8	495.5	479.1	458.1	434.7	402.0	366.9	329.5	282.8	238.4	194.0
120°	467.4	460.4	444.1	425.4	402.0	371.6	338.9	301.5	259.4	217.4	175.3
122.5°	432.4	425.4	409.0	392.6	369.3	341.2	310.8	275.8	238.4	198.7	161.3
125°	399.7	390.3	376.3	359.9	338.9	313.2	282.8	250.1	215.0	180.0	144.9
127.5°	364.6	357.6	348.2	329.5	308.5	285.1	257.1	229.0	196.3	163.6	130.9
130°	336.6	327.2	315.5	301.5	282.8	259.4	233.7	205.7	177.6	147.2	114.5
132.5°	303.8	294.5	285.1	271.1	254.7	233.7	210.3	184.6	158.9	130.9	102.8
135°	273.4	266.4	257.1	243.1	226.7	210.3	187.0	163.6	140.2	114.5	91.1
137.5°	245.4	238.4	229.0	219.7	203.3	187.0	165.9	144.9	123.9	100.5	79.5
140°	217.4	212.7	203.3	194.0	180.0	163.6	144.9	126.2	107.5	86.5	67.8
142.5°	189.3	184.6	177.6	168.3	156.6	142.6	126.2	109.8	91.1	74.8	58.4
145°	163.6	161.3	154.3	144.9	135.6	121.5	107.5	93.5	77.1	63.1	46.7
147.5°	137.9	135.6	130.9	123.9	114.5	102.8	91.1	77.1	65.4	51.4	37.4
150°	114.5	112.2	109.8	100.5	95.8	84.1	74.8	63.1	53.8	39.7	30.4
152.5°	93.5	93.5	88.8	81.8	77.1	67.8	60.8	51.4	42.1	32.7	23.4
155°	74.8	72.5	70.1	65.4	60.8	53.8	46.7	39.7	32.7	23.4	16.4
157.5°	58.4	56.1	53.8	49.1	44.4	42.1	35.1	28.0	21.0	16.4	11.7
160°	42.1	39.7	37.4	35.1	32.7	28.0	23.4	18.7	14.0	9.3	7.0
162.5°	28.0	25.7	25.7	23.4	21.0	16.4	14.0	11.7	9.3	7.0	4.7
165°	14.0	14.0	11.7	11.7	9.3	7.0	7.0	7.0	4.7	4.7	2.3
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6	2215.6
2.5°	2203.9	2203.9	2213.3	2210.9	2203.9	2218.0	2234.3
5°	2196.9	2196.9	2203.9	2203.9	2196.9	2210.9	2225.0
7.5°	2185.2	2182.9	2189.9	2189.9	2180.6	2192.3	2208.6
10°	2164.2	2161.9	2168.9	2168.9	2159.5	2171.2	2185.2
12.5°	2140.8	2136.2	2143.2	2140.8	2131.5	2143.2	2157.2
15°	2110.5	2108.1	2112.8	2108.1	2098.8	2110.5	2124.5
17.5°	2080.1	2073.1	2075.4	2075.4	2059.0	2070.7	2082.4
20°	2040.3	2031.0	2033.3	2031.0	2019.3	2026.3	2040.3
22.5°	2000.6	1986.6	1986.6	1984.2	1970.2	1979.6	1991.3
25°	1951.5	1935.2	1935.2	1932.8	1916.5	1923.5	1935.2
27.5°	1902.4	1886.1	1879.1	1876.7	1860.4	1860.4	1876.7
30°	1851.0	1827.7	1823.0	1816.0	1799.6	1799.6	1813.6
32.5°	1801.9	1769.2	1759.9	1750.5	1734.2	1731.8	1748.2
35°	1736.5	1710.8	1694.4	1685.1	1666.4	1661.7	1675.7
37.5°	1682.8	1650.0	1626.7	1615.0	1596.3	1589.3	1608.0
40°	1624.3	1589.3	1558.9	1551.9	1523.8	1514.5	1530.8
42.5°	1558.9	1521.5	1491.1	1477.1	1456.0	1446.7	1449.0
45°	1493.4	1453.7	1421.0	1402.3	1381.3	1364.9	1374.2
47.5°	1425.7	1390.6	1350.9	1322.8	1297.1	1285.4	1290.1
50°	1357.9	1315.8	1278.4	1248.0	1217.7	1203.6	1213.0
52.5°	1290.1	1245.7	1203.6	1170.9	1135.9	1121.8	1124.2
55°	1224.7	1177.9	1128.8	1093.8	1061.1	1040.0	1035.4
57.5°	1159.2	1107.8	1056.4	1016.7	974.6	955.9	948.9
60°	1089.1	1035.4	981.6	934.9	890.5	869.4	860.1
62.5°	1023.7	965.2	904.5	855.4	811.0	782.9	775.9
65°	960.6	892.8	832.0	775.9	726.9	696.5	687.1
67.5°	892.8	822.7	757.2	696.5	649.7	610.0	605.3
70°	829.7	754.9	682.4	619.3	567.9	528.2	509.5
72.5°	766.6	689.5	614.7	546.9	481.5	444.1	430.0
75°	705.8	626.4	546.9	476.8	404.3	359.9	345.9
77.5°	649.7	567.9	483.8	406.7	338.9	282.8	264.1
80°	596.0	511.8	423.0	343.6	271.1	210.3	189.3
82.5°	539.9	460.4	369.3	285.1	210.3	147.2	121.5
85°	490.8	411.3	320.2	236.1	161.3	93.5	65.4
87.5°	451.1	364.6	282.8	198.7	121.5	53.8	18.7
90°	411.3	327.2	245.4	163.6	91.1	30.4	2.3
92.5°	376.3	296.8	215.0	140.2	70.1	21.0	2.3
95°	343.6	266.4	189.3	116.9	56.1	14.0	2.3
97.5°	313.2	240.7	168.3	100.5	46.7	11.7	2.3
100°	287.5	217.4	149.6	88.8	39.7	9.3	2.3
102.5°	261.8	196.3	133.2	77.1	35.1	7.0	2.3
105°	240.7	177.6	119.2	70.1	30.4	7.0	2.3
107.5°	219.7	161.3	107.5	60.8	25.7	4.7	2.3
110°	198.7	147.2	95.8	53.8	23.4	4.7	2.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	182.3	133.2	86.5	49.1	18.7	4.7	2.3
115°	165.9	119.2	77.1	42.1	16.4	2.3	2.3
117.5°	149.6	107.5	67.8	37.4	14.0	2.3	2.3
120°	135.6	95.8	60.8	32.7	11.7	2.3	2.3
122.5°	121.5	86.5	53.8	28.0	9.3	2.3	2.3
125°	109.8	77.1	46.7	23.4	7.0	2.3	2.3
127.5°	98.2	67.8	42.1	21.0	7.0	2.3	2.3
130°	86.5	60.8	35.1	16.4	4.7	2.3	2.3
132.5°	77.1	51.4	30.4	14.0	4.7	2.3	2.3
135°	67.8	44.4	25.7	9.3	4.7	2.3	2.3
137.5°	58.4	37.4	21.0	7.0	2.3	2.3	2.3
140°	49.1	32.7	16.4	7.0	2.3	2.3	2.3
142.5°	42.1	25.7	11.7	4.7	2.3	2.3	2.3
145°	32.7	21.0	9.3	4.7	2.3	2.3	2.3
147.5°	25.7	16.4	7.0	4.7	2.3	2.3	2.3
150°	18.7	11.7	7.0	2.3	2.3	2.3	2.3
152.5°	14.0	9.3	4.7	2.3	2.3	2.3	2.3
155°	9.3	7.0	4.7	2.3	2.3	2.3	2.3
157.5°	7.0	4.7	2.3	2.3	2.3	2.3	2.3
160°	4.7	2.3	2.3	2.3	2.3	2.3	2.3
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
165°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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)