

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-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-LD5-95SL-LW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

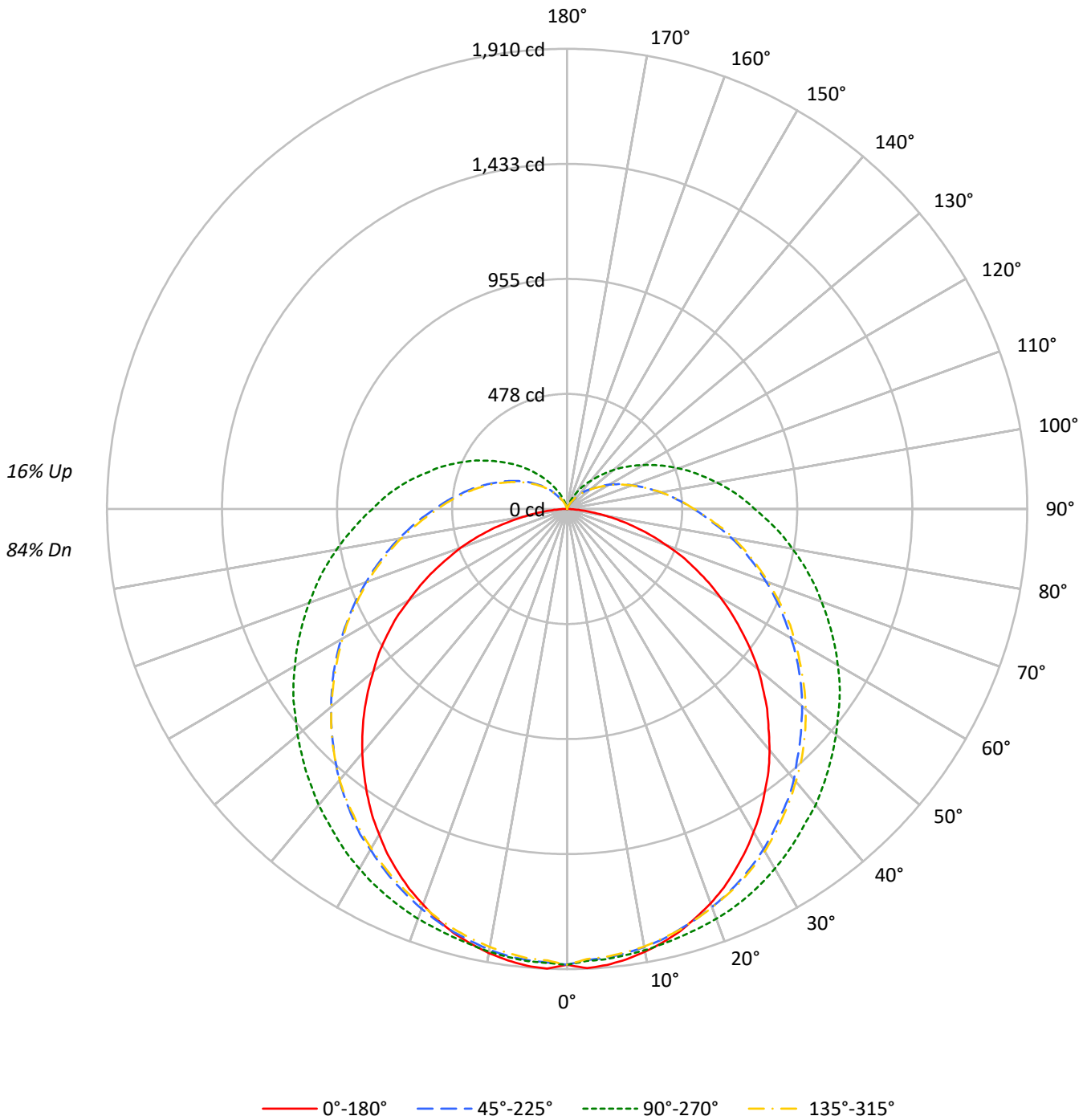
Lumens per Lamp: N/A
Luminaire Lumens: 8219.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	7644	7644	7644	7644
5°	7695	7366	7711	7398
10°	7634	7157	7659	7180
15°	7556	6978	7589	6985
20°	7448	6847	7474	6847
25°	7313	6731	7357	6723
30°	7160	6611	7216	6611
35°	6981	6501	7059	6508
40°	6805	6435	6888	6435
45°	6602	6367	6703	6376
50°	6391	6327	6478	6344
55°	6091	6333	6284	6360
60°	5778	6352	5966	6391
65°	5427	6416	5667	6480
70°	4927	6534	5313	6627
75°	4356	6747	4769	6877
80°	3454	7064	3924	7227
85°	2199	7572	2746	7781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	2.2
10°-20°	515.0	6.3
20°-30°	789.7	9.6
30°-40°	974.2	11.9
40°-50°	1056.9	12.9
50°-60°	1041.7	12.7
60°-70°	941.9	11.5
70°-80°	784.7	9.5
80°-90°	607.7	7.4
90°-100°	460.9	5.6
100°-110°	341.1	4.2
110°-120°	237.3	2.9
120°-130°	151.4	1.8
130°-140°	84.9	1.0
140°-150°	38.8	0.5
150°-160°	12.0	0.1
160°-170°	1.5	0.0
170°-180°	0.0	0.0
0°-30°	1483.9	18.1
0°-40°	2458.1	29.9
0°-60°	4556.8	55.4
0°-90°	6891.1	83.8
90°-120°	1039.3	12.6
90°-150°	1314.4	16.0
90°-180°	1328.0	16.2
0°-180°	8219.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1892	1892	1892	1892	1892	
5°	1900	1876	1904	1884	1900	180
15°	1814	1836	1822	1838	1814	511
25°	1652	1774	1662	1772	1652	761
35°	1431	1664	1447	1666	1431	896
45°	1173	1533	1191	1535	1173	904
55°	884	1381	912	1387	884	791
65°	587	1211	613	1223	587	581
75°	295	1038	323	1058	295	313
85°	56	864	70	888	56	68
90°	2	778	4	808	2	3
95°	2	706	2	740	2	2
105°	2	561	2	595	2	2
115°	2	427	2	465	2	2
125°	2	307	2	341	2	2
135°	2	200	2	236	2	2
145°	2	116	2	142	2	1
155°	2	48	2	66	2	1
165°	2	8	2	12	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-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8
2.5°	1907.7	1907.7	1905.7	1901.8	1903.7	1909.7	1905.7	1895.8	1889.8	1873.8	1877.8
5°	1899.8	1899.8	1897.8	1893.8	1895.8	1903.7	1899.8	1891.8	1883.8	1869.8	1875.8
7.5°	1885.8	1885.8	1883.8	1879.8	1883.8	1891.8	1887.8	1879.8	1873.8	1859.8	1865.8
10°	1865.8	1867.8	1865.8	1859.8	1867.8	1875.8	1873.8	1863.8	1857.8	1845.9	1851.9
12.5°	1841.9	1843.9	1841.9	1839.9	1843.9	1855.9	1851.9	1843.9	1839.9	1829.9	1835.9
15°	1813.9	1815.9	1812.0	1812.0	1815.9	1827.9	1827.9	1819.9	1815.9	1806.0	1817.9
17.5°	1778.0	1780.0	1778.0	1778.0	1782.0	1794.0	1796.0	1792.0	1788.0	1784.0	1796.0
20°	1742.1	1740.1	1740.1	1738.1	1746.1	1764.1	1762.1	1762.1	1758.1	1758.1	1772.0
22.5°	1700.2	1700.2	1698.2	1698.2	1708.2	1724.1	1724.1	1728.1	1724.1	1732.1	1744.1
25°	1652.3	1654.3	1652.3	1656.3	1664.3	1682.2	1684.2	1690.2	1692.2	1700.2	1714.2
27.5°	1602.4	1604.4	1602.4	1606.4	1620.4	1634.3	1644.3	1652.3	1654.3	1666.3	1684.2
30°	1548.5	1548.5	1550.5	1554.5	1570.5	1592.4	1600.4	1610.4	1610.4	1630.4	1648.3
32.5°	1492.7	1492.7	1492.7	1500.6	1518.6	1544.5	1554.5	1566.5	1570.5	1590.4	1610.4
35°	1430.8	1432.8	1432.8	1438.8	1462.7	1488.7	1502.6	1516.6	1524.6	1548.5	1568.5
37.5°	1372.9	1376.9	1370.9	1378.9	1412.8	1434.8	1450.8	1464.7	1478.7	1510.6	1526.6
40°	1307.1	1311.1	1309.1	1325.0	1353.0	1380.9	1398.9	1412.8	1432.8	1464.7	1482.7
42.5°	1237.2	1241.2	1245.2	1263.2	1293.1	1321.0	1343.0	1361.0	1384.9	1412.8	1442.8
45°	1173.4	1173.4	1179.4	1201.3	1233.2	1263.2	1289.1	1309.1	1337.0	1366.9	1396.9
47.5°	1101.5	1103.5	1111.5	1137.5	1171.4	1207.3	1231.2	1257.2	1287.1	1319.1	1353.0
50°	1035.7	1035.7	1047.7	1075.6	1107.5	1147.4	1173.4	1203.3	1235.2	1273.2	1307.1
52.5°	959.9	963.8	981.8	1007.7	1049.7	1085.6	1115.5	1147.4	1185.4	1225.3	1263.2
55°	884.0	892.0	906.0	941.9	985.8	1019.7	1055.6	1095.6	1131.5	1175.4	1219.3
57.5°	810.2	816.2	838.1	874.0	919.9	961.9	999.8	1037.7	1081.6	1125.5	1171.4
60°	734.4	742.3	768.3	804.2	854.1	898.0	941.9	981.8	1027.7	1073.6	1121.5
62.5°	662.5	668.5	698.4	740.3	790.2	838.1	882.0	929.9	979.8	1023.7	1071.6
65°	586.7	596.7	630.6	668.5	726.4	774.3	824.2	876.0	927.9	975.8	1021.7
67.5°	516.8	522.8	558.8	602.7	660.5	714.4	766.3	822.2	876.0	925.9	971.8
70°	435.0	455.0	490.9	536.8	598.7	654.5	710.4	768.3	826.2	878.0	921.9
72.5°	367.2	383.1	423.1	472.9	532.8	598.7	656.5	718.4	776.3	830.1	876.0
75°	295.3	311.3	357.2	413.1	474.9	544.8	604.6	668.5	728.4	782.3	830.1
77.5°	225.5	245.5	295.3	353.2	421.1	492.9	554.8	618.6	680.5	738.4	786.2
80°	161.6	183.6	237.5	303.3	369.2	441.0	508.9	572.7	634.6	692.5	742.3
82.5°	103.8	127.7	185.6	251.4	321.3	393.1	463.0	526.8	588.7	646.6	698.4
85°	55.9	81.8	141.7	207.5	277.4	349.2	419.1	486.9	546.8	600.7	656.5
87.5°	16.0	47.9	105.8	171.6	243.5	309.3	377.2	445.0	504.9	562.7	612.6
90°	2.0	27.9	79.8	141.7	211.5	275.4	343.2	407.1	467.0	524.8	574.7
92.5°	2.0	18.0	61.9	117.7	181.6	247.4	315.3	377.2	433.0	490.9	540.8
95°	2.0	14.0	49.9	99.8	159.6	221.5	285.4	345.2	403.1	457.0	506.9
97.5°	2.0	10.0	39.9	85.8	139.7	197.6	259.4	319.3	375.2	427.0	472.9
100°	2.0	8.0	31.9	73.8	121.7	177.6	233.5	291.3	345.2	395.1	443.0
102.5°	2.0	6.0	27.9	61.9	107.8	157.6	211.5	265.4	317.3	365.2	413.1
105°	2.0	6.0	23.9	53.9	95.8	141.7	191.6	243.5	291.3	337.2	381.1
107.5°	2.0	4.0	20.0	45.9	83.8	127.7	173.6	223.5	267.4	311.3	353.2
110°	2.0	4.0	16.0	41.9	73.8	113.7	157.6	203.5	245.5	287.4	327.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.0	4.0	14.0	35.9	63.9	101.8	141.7	183.6	223.5	265.4	301.3
115°	2.0	4.0	12.0	31.9	59.9	87.8	127.7	165.6	205.5	243.5	277.4
117.5°	2.0	4.0	10.0	25.9	51.9	79.8	111.8	149.7	185.6	221.5	253.4
120°	2.0	4.0	8.0	23.9	45.9	71.8	99.8	133.7	167.6	201.5	235.5
122.5°	2.0	2.0	8.0	20.0	39.9	63.9	91.8	117.7	149.7	181.6	211.5
125°	2.0	2.0	8.0	18.0	33.9	57.9	81.8	105.8	133.7	161.6	187.6
127.5°	2.0	2.0	6.0	14.0	29.9	49.9	71.8	97.8	117.7	143.7	169.6
130°	2.0	2.0	6.0	12.0	25.9	41.9	63.9	85.8	109.8	127.7	149.7
132.5°	2.0	2.0	6.0	10.0	20.0	33.9	53.9	73.8	95.8	115.7	133.7
135°	2.0	2.0	4.0	8.0	16.0	27.9	43.9	61.9	83.8	103.8	121.7
137.5°	2.0	2.0	4.0	8.0	12.0	23.9	33.9	49.9	69.8	87.8	105.8
140°	2.0	2.0	4.0	6.0	10.0	18.0	27.9	39.9	55.9	71.8	91.8
142.5°	2.0	2.0	2.0	6.0	8.0	14.0	22.0	31.9	43.9	57.9	73.8
145°	2.0	2.0	2.0	6.0	8.0	10.0	18.0	25.9	33.9	43.9	57.9
147.5°	2.0	2.0	2.0	4.0	6.0	8.0	14.0	20.0	25.9	33.9	41.9
150°	2.0	2.0	2.0	4.0	6.0	8.0	10.0	14.0	20.0	27.9	33.9
152.5°	2.0	2.0	2.0	4.0	4.0	6.0	8.0	10.0	14.0	20.0	23.9
155°	2.0	2.0	2.0	2.0	4.0	6.0	8.0	8.0	10.0	14.0	18.0
157.5°	2.0	2.0	2.0	2.0	4.0	4.0	6.0	6.0	8.0	8.0	12.0
160°	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	6.0	6.0	6.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	6.0	6.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8
2.5°	1877.8	1879.8	1885.8	1885.8	1881.8	1881.8	1879.8	1877.8	1879.8	1883.8	1883.8
5°	1873.8	1875.8	1881.8	1883.8	1879.8	1877.8	1877.8	1875.8	1877.8	1881.8	1881.8
7.5°	1865.8	1867.8	1873.8	1875.8	1871.8	1871.8	1869.8	1867.8	1871.8	1873.8	1873.8
10°	1853.9	1855.9	1863.8	1865.8	1863.8	1861.8	1861.8	1859.8	1861.8	1865.8	1865.8
12.5°	1837.9	1841.9	1851.9	1851.9	1851.9	1849.9	1849.9	1847.9	1849.9	1853.9	1851.9
15°	1819.9	1827.9	1835.9	1839.9	1839.9	1839.9	1837.9	1835.9	1839.9	1841.9	1839.9
17.5°	1800.0	1810.0	1821.9	1825.9	1825.9	1827.9	1825.9	1823.9	1827.9	1827.9	1825.9
20°	1780.0	1790.0	1802.0	1806.0	1810.0	1812.0	1812.0	1810.0	1812.0	1813.9	1812.0
22.5°	1754.1	1766.1	1780.0	1786.0	1790.0	1794.0	1794.0	1794.0	1796.0	1798.0	1794.0
25°	1726.1	1740.1	1756.1	1762.1	1770.0	1772.0	1774.0	1774.0	1776.0	1778.0	1772.0
27.5°	1696.2	1712.2	1728.1	1738.1	1744.1	1748.1	1748.1	1750.1	1752.1	1754.1	1748.1
30°	1660.3	1684.2	1698.2	1706.2	1714.2	1720.2	1722.2	1724.1	1726.1	1728.1	1722.2
32.5°	1628.4	1648.3	1666.3	1676.3	1686.2	1694.2	1696.2	1696.2	1700.2	1700.2	1694.2
35°	1590.4	1614.4	1632.4	1642.3	1654.3	1660.3	1664.3	1664.3	1668.3	1668.3	1662.3
37.5°	1552.5	1576.5	1596.4	1608.4	1622.4	1630.4	1632.4	1632.4	1636.3	1636.3	1628.4
40°	1512.6	1538.6	1560.5	1574.5	1586.5	1596.4	1598.4	1604.4	1604.4	1602.4	1594.4
42.5°	1472.7	1496.7	1520.6	1536.6	1552.5	1562.5	1566.5	1568.5	1568.5	1566.5	1560.5
45°	1428.8	1456.7	1478.7	1498.7	1514.6	1524.6	1530.6	1532.6	1532.6	1528.6	1522.6
47.5°	1386.9	1414.8	1436.8	1458.7	1474.7	1486.7	1492.7	1494.7	1492.7	1490.7	1484.7
50°	1343.0	1374.9	1396.9	1418.8	1434.8	1444.8	1454.7	1456.7	1454.7	1452.8	1440.8
52.5°	1297.1	1331.0	1355.0	1376.9	1394.9	1406.9	1414.8	1416.8	1416.8	1412.8	1404.9
55°	1251.2	1281.1	1311.1	1335.0	1355.0	1366.9	1376.9	1380.9	1376.9	1372.9	1363.0
57.5°	1209.3	1237.2	1267.2	1293.1	1313.1	1329.0	1337.0	1341.0	1337.0	1331.0	1321.0
60°	1159.4	1189.3	1223.3	1247.2	1269.2	1285.1	1289.1	1297.1	1293.1	1287.1	1277.1
62.5°	1111.5	1147.4	1177.4	1207.3	1225.3	1243.2	1251.2	1255.2	1251.2	1245.2	1235.2
65°	1061.6	1101.5	1131.5	1161.4	1181.4	1199.3	1209.3	1211.3	1207.3	1201.3	1191.3
67.5°	1015.7	1053.6	1085.6	1117.5	1135.5	1153.4	1163.4	1167.4	1163.4	1155.4	1145.4
70°	969.8	1007.7	1045.7	1069.6	1091.6	1111.5	1117.5	1123.5	1119.5	1111.5	1099.5
72.5°	923.9	963.8	1001.8	1025.7	1049.7	1067.6	1075.6	1081.6	1077.6	1069.6	1055.6
75°	876.0	917.9	955.9	981.8	1005.8	1023.7	1031.7	1037.7	1033.7	1025.7	1009.7
77.5°	832.1	874.0	910.0	937.9	961.9	977.8	991.8	993.8	989.8	981.8	965.8
80°	786.2	828.1	866.1	894.0	917.9	933.9	943.9	949.9	945.9	937.9	921.9
82.5°	746.3	784.2	822.2	850.1	874.0	894.0	902.0	908.0	906.0	894.0	882.0
85°	702.4	746.3	776.3	806.2	830.1	850.1	856.1	864.1	862.1	852.1	836.1
87.5°	658.5	702.4	738.4	768.3	790.2	806.2	816.2	820.2	818.2	808.2	790.2
90°	622.6	662.5	698.4	730.4	748.3	766.3	776.3	778.3	778.3	766.3	752.3
92.5°	588.7	626.6	662.5	692.5	714.4	730.4	738.4	742.3	740.3	730.4	714.4
95°	550.8	592.7	626.6	656.5	678.5	694.4	702.4	706.4	704.4	694.4	678.5
97.5°	518.8	556.8	590.7	618.6	640.6	656.5	664.5	668.5	668.5	658.5	642.6
100°	486.9	524.8	556.8	584.7	604.6	620.6	628.6	630.6	628.6	620.6	604.6
102.5°	455.0	490.9	522.8	548.8	570.7	584.7	592.7	594.7	594.7	584.7	568.7
105°	423.1	459.0	488.9	516.8	534.8	548.8	554.8	560.7	558.8	550.8	534.8
107.5°	393.1	429.0	457.0	482.9	500.9	514.8	520.8	526.8	524.8	516.8	500.9
110°	365.2	399.1	425.1	451.0	467.0	480.9	490.9	492.9	488.9	480.9	467.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	339.2	369.2	395.1	419.1	437.0	447.0	455.0	459.0	455.0	447.0	437.0
115°	311.3	341.2	367.2	389.1	405.1	417.1	423.1	427.0	423.1	415.1	405.1
117.5°	285.4	313.3	339.2	361.2	375.2	385.1	391.1	395.1	391.1	385.1	375.2
120°	263.4	287.4	311.3	331.3	347.2	355.2	361.2	365.2	363.2	355.2	345.2
122.5°	237.5	263.4	285.4	305.3	319.3	327.3	331.3	335.3	333.3	327.3	317.3
125°	215.5	237.5	259.4	277.4	291.3	299.3	303.3	307.3	305.3	299.3	287.4
127.5°	191.6	215.5	233.5	251.4	261.4	273.4	275.4	279.4	277.4	271.4	261.4
130°	173.6	191.6	209.5	225.5	237.5	245.5	249.4	251.4	247.4	243.5	233.5
132.5°	151.7	171.6	187.6	201.5	209.5	217.5	221.5	223.5	223.5	217.5	209.5
135°	135.7	149.7	163.6	177.6	185.6	193.6	197.6	199.6	197.6	193.6	185.6
137.5°	121.7	133.7	143.7	155.7	165.6	169.6	173.6	173.6	171.6	169.6	163.6
140°	105.8	119.7	129.7	137.7	145.7	147.7	151.7	151.7	149.7	147.7	143.7
142.5°	89.8	101.8	111.8	121.7	127.7	131.7	133.7	135.7	133.7	131.7	125.7
145°	71.8	85.8	95.8	101.8	109.8	111.8	113.7	115.7	113.7	111.8	105.8
147.5°	55.9	67.8	77.8	85.8	91.8	93.8	95.8	97.8	95.8	91.8	89.8
150°	39.9	49.9	61.9	69.8	73.8	77.8	77.8	77.8	79.8	75.8	71.8
152.5°	31.9	35.9	43.9	51.9	57.9	59.9	61.9	61.9	59.9	59.9	55.9
155°	22.0	25.9	31.9	37.9	43.9	45.9	47.9	47.9	45.9	45.9	43.9
157.5°	14.0	18.0	22.0	25.9	31.9	33.9	35.9	35.9	35.9	33.9	31.9
160°	8.0	10.0	12.0	16.0	20.0	22.0	23.9	23.9	23.9	23.9	22.0
162.5°	6.0	6.0	6.0	8.0	10.0	12.0	14.0	14.0	14.0	14.0	12.0
165°	4.0	4.0	4.0	4.0	4.0	6.0	8.0	8.0	8.0	8.0	8.0
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-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8
2.5°	1881.8	1881.8	1883.8	1879.8	1867.8	1869.8	1869.8	1877.8	1881.8	1883.8	1893.8
5°	1877.8	1877.8	1881.8	1875.8	1865.8	1865.8	1865.8	1873.8	1875.8	1879.8	1887.8
7.5°	1871.8	1871.8	1873.8	1867.8	1855.9	1855.9	1853.9	1861.8	1865.8	1867.8	1875.8
10°	1861.8	1861.8	1863.8	1857.8	1843.9	1843.9	1841.9	1847.9	1849.9	1853.9	1859.8
12.5°	1847.9	1847.9	1847.9	1841.9	1827.9	1825.9	1823.9	1829.9	1829.9	1831.9	1837.9
15°	1835.9	1831.9	1831.9	1825.9	1812.0	1808.0	1804.0	1806.0	1810.0	1808.0	1812.0
17.5°	1821.9	1817.9	1813.9	1808.0	1790.0	1784.0	1780.0	1782.0	1780.0	1778.0	1782.0
20°	1806.0	1800.0	1798.0	1788.0	1770.0	1760.1	1752.1	1748.1	1750.1	1744.1	1746.1
22.5°	1788.0	1780.0	1776.0	1764.1	1746.1	1734.1	1724.1	1716.2	1714.2	1706.2	1708.2
25°	1766.1	1756.1	1750.1	1740.1	1720.2	1706.2	1694.2	1682.2	1676.3	1666.3	1664.3
27.5°	1740.1	1730.1	1722.2	1712.2	1692.2	1674.3	1660.3	1644.3	1636.3	1624.4	1618.4
30°	1714.2	1702.2	1690.2	1682.2	1660.3	1640.3	1618.4	1604.4	1592.4	1578.5	1568.5
32.5°	1682.2	1670.3	1658.3	1646.3	1626.4	1602.4	1584.5	1562.5	1548.5	1532.6	1520.6
35°	1650.3	1634.3	1622.4	1606.4	1588.5	1560.5	1538.6	1516.6	1498.7	1480.7	1466.7
37.5°	1614.4	1602.4	1584.5	1570.5	1548.5	1520.6	1496.7	1468.7	1452.8	1428.8	1410.8
40°	1580.5	1566.5	1548.5	1530.6	1508.6	1476.7	1450.8	1418.8	1400.9	1372.9	1355.0
42.5°	1546.5	1526.6	1508.6	1488.7	1464.7	1434.8	1402.9	1370.9	1347.0	1321.0	1295.1
45°	1508.6	1486.7	1464.7	1442.8	1418.8	1388.9	1355.0	1321.0	1291.1	1267.2	1235.2
47.5°	1468.7	1446.8	1420.8	1396.9	1370.9	1341.0	1305.1	1269.2	1237.2	1209.3	1175.4
50°	1428.8	1406.9	1378.9	1353.0	1323.0	1293.1	1255.2	1213.3	1179.4	1143.4	1113.5
52.5°	1386.9	1364.9	1339.0	1305.1	1273.2	1243.2	1203.3	1159.4	1121.5	1091.6	1053.6
55°	1345.0	1323.0	1293.1	1259.2	1227.3	1189.3	1151.4	1107.5	1065.6	1029.7	991.8
57.5°	1301.1	1281.1	1247.2	1219.3	1179.4	1139.5	1099.5	1057.6	1011.7	969.8	925.9
60°	1257.2	1235.2	1203.3	1169.4	1129.5	1089.6	1047.7	1001.8	953.9	908.0	868.1
62.5°	1217.3	1189.3	1159.4	1123.5	1081.6	1043.7	995.8	945.9	898.0	850.1	802.2
65°	1171.4	1141.4	1113.5	1077.6	1033.7	989.8	941.9	892.0	840.1	788.2	740.3
67.5°	1125.5	1095.6	1065.6	1029.7	983.8	937.9	888.0	838.1	780.3	730.4	674.5
70°	1079.6	1055.6	1017.7	979.8	937.9	888.0	838.1	784.2	724.4	670.5	612.6
72.5°	1033.7	1009.7	971.8	931.9	892.0	840.1	786.2	732.4	676.5	614.6	552.8
75°	989.8	959.9	925.9	888.0	846.1	792.2	738.4	682.5	616.6	558.8	494.9
77.5°	947.9	919.9	886.0	844.1	798.2	746.3	690.5	632.6	566.7	504.9	435.0
80°	902.0	874.0	840.1	798.2	752.3	702.4	642.6	582.7	518.8	451.0	379.2
82.5°	858.1	832.1	794.2	756.3	706.4	656.5	596.7	536.8	469.0	403.1	333.3
85°	812.2	786.2	750.3	710.4	662.5	608.6	552.8	492.9	425.1	357.2	287.4
87.5°	772.3	742.3	706.4	666.5	618.6	566.7	512.9	449.0	383.1	317.3	245.5
90°	730.4	702.4	666.5	626.6	578.7	526.8	470.9	411.1	347.2	279.4	211.5
92.5°	694.4	664.5	630.6	590.7	542.8	492.9	437.0	377.2	315.3	249.4	183.6
95°	658.5	628.6	596.7	556.8	508.9	459.0	403.1	345.2	285.4	221.5	159.6
97.5°	618.6	592.7	560.7	522.8	474.9	427.0	373.2	317.3	259.4	197.6	139.7
100°	586.7	556.8	526.8	486.9	443.0	397.1	343.2	289.4	233.5	175.6	121.7
102.5°	550.8	522.8	492.9	455.0	411.1	365.2	315.3	263.4	211.5	157.6	105.8
105°	516.8	490.9	459.0	423.1	381.1	337.2	289.4	241.5	191.6	139.7	93.8
107.5°	482.9	457.0	427.0	393.1	353.2	309.3	265.4	217.5	171.6	125.7	83.8
110°	449.0	425.1	397.1	363.2	325.3	285.4	243.5	199.6	153.7	111.8	73.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	419.1	395.1	367.2	335.3	299.3	261.4	221.5	179.6	137.7	99.8	63.9
115°	389.1	367.2	339.2	311.3	275.4	239.5	201.5	161.6	123.7	89.8	55.9
117.5°	359.2	337.2	311.3	283.4	251.4	217.5	181.6	143.7	111.8	79.8	49.9
120°	329.3	309.3	285.4	259.4	231.5	197.6	161.6	129.7	99.8	69.8	43.9
122.5°	301.3	283.4	261.4	237.5	207.5	175.6	145.7	117.7	89.8	61.9	35.9
125°	275.4	257.4	237.5	213.5	185.6	157.6	131.7	105.8	77.8	53.9	29.9
127.5°	249.4	231.5	211.5	189.6	167.6	141.7	117.7	93.8	69.8	47.9	25.9
130°	223.5	207.5	189.6	171.6	149.7	125.7	105.8	81.8	59.9	37.9	22.0
132.5°	197.6	185.6	169.6	151.7	131.7	113.7	91.8	71.8	51.9	33.9	20.0
135°	175.6	163.6	149.7	133.7	117.7	99.8	79.8	61.9	43.9	27.9	16.0
137.5°	155.7	145.7	131.7	117.7	103.8	85.8	69.8	51.9	35.9	23.9	12.0
140°	137.7	127.7	115.7	101.8	89.8	73.8	57.9	41.9	31.9	20.0	10.0
142.5°	119.7	109.8	99.8	87.8	75.8	61.9	47.9	35.9	25.9	16.0	10.0
145°	101.8	93.8	83.8	73.8	61.9	49.9	39.9	29.9	20.0	12.0	8.0
147.5°	83.8	77.8	67.8	59.9	49.9	39.9	31.9	23.9	16.0	10.0	6.0
150°	67.8	61.9	53.9	45.9	39.9	31.9	25.9	18.0	12.0	10.0	6.0
152.5°	51.9	47.9	41.9	37.9	31.9	23.9	18.0	14.0	10.0	8.0	4.0
155°	41.9	37.9	33.9	27.9	23.9	18.0	14.0	10.0	8.0	6.0	4.0
157.5°	29.9	27.9	23.9	20.0	16.0	12.0	10.0	10.0	6.0	4.0	2.0
160°	20.0	18.0	16.0	12.0	10.0	10.0	8.0	6.0	4.0	4.0	2.0
162.5°	12.0	10.0	10.0	10.0	8.0	8.0	6.0	4.0	4.0	2.0	2.0
165°	8.0	8.0	8.0	6.0	6.0	6.0	4.0	2.0	2.0	2.0	2.0
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-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8
2.5°	1893.8	1887.8	1895.8	1909.7	1911.7	1909.7	1905.7	1911.7	1919.7	1917.7	1903.7
5°	1889.8	1881.8	1889.8	1903.7	1903.7	1901.8	1899.8	1905.7	1913.7	1911.7	1899.8
7.5°	1877.8	1869.8	1877.8	1889.8	1891.8	1887.8	1887.8	1893.8	1901.8	1899.8	1889.8
10°	1861.8	1853.9	1857.8	1871.8	1875.8	1871.8	1871.8	1877.8	1887.8	1885.8	1873.8
12.5°	1837.9	1831.9	1835.9	1847.9	1851.9	1849.9	1847.9	1855.9	1865.8	1865.8	1853.9
15°	1812.0	1804.0	1808.0	1821.9	1823.9	1819.9	1821.9	1827.9	1839.9	1839.9	1829.9
17.5°	1782.0	1772.0	1778.0	1788.0	1790.0	1790.0	1790.0	1798.0	1812.0	1810.0	1802.0
20°	1748.1	1734.1	1738.1	1748.1	1752.1	1752.1	1752.1	1766.1	1776.0	1776.0	1768.0
22.5°	1708.2	1698.2	1698.2	1708.2	1714.2	1712.2	1712.2	1724.1	1738.1	1736.1	1736.1
25°	1662.3	1654.3	1650.3	1662.3	1664.3	1666.3	1670.3	1682.2	1698.2	1698.2	1700.2
27.5°	1614.4	1606.4	1604.4	1614.4	1616.4	1618.4	1622.4	1636.3	1652.3	1654.3	1658.3
30°	1568.5	1556.5	1552.5	1560.5	1564.5	1566.5	1566.5	1588.5	1602.4	1608.4	1616.4
32.5°	1514.6	1502.6	1492.7	1506.6	1508.6	1512.6	1514.6	1536.6	1552.5	1562.5	1574.5
35°	1460.7	1440.8	1436.8	1446.8	1450.8	1452.8	1456.7	1480.7	1502.6	1510.6	1526.6
37.5°	1400.9	1386.9	1374.9	1384.9	1388.9	1390.9	1402.9	1424.8	1446.8	1458.7	1474.7
40°	1345.0	1327.0	1317.1	1323.0	1327.0	1329.0	1343.0	1366.9	1392.9	1406.9	1426.8
42.5°	1283.1	1259.2	1251.2	1257.2	1259.2	1265.2	1277.1	1309.1	1335.0	1355.0	1370.9
45°	1221.3	1203.3	1185.4	1191.3	1193.3	1197.3	1215.3	1249.2	1277.1	1301.1	1319.1
47.5°	1157.4	1135.5	1117.5	1121.5	1129.5	1131.5	1151.4	1191.3	1217.3	1243.2	1267.2
50°	1093.6	1063.6	1049.7	1049.7	1053.6	1063.6	1089.6	1129.5	1157.4	1187.3	1213.3
52.5°	1027.7	999.8	983.8	985.8	989.8	1001.8	1025.7	1065.6	1097.5	1129.5	1161.4
55°	961.9	931.9	916.0	912.0	916.0	931.9	959.9	1001.8	1033.7	1071.6	1105.5
57.5°	896.0	860.1	846.1	840.1	844.1	864.1	892.0	935.9	975.8	1011.7	1051.6
60°	824.2	796.2	772.3	758.3	768.3	794.2	824.2	870.1	912.0	951.9	995.8
62.5°	762.3	726.4	700.4	686.5	696.4	718.4	760.3	804.2	850.1	896.0	939.9
65°	692.5	656.5	626.6	612.6	622.6	648.6	690.5	738.4	788.2	834.1	886.0
67.5°	624.6	586.7	550.8	536.8	548.8	576.7	622.6	676.5	730.4	778.3	834.1
70°	558.8	516.8	478.9	469.0	476.9	514.8	558.8	612.6	668.5	724.4	782.3
72.5°	498.9	447.0	407.1	395.1	405.1	447.0	496.9	552.8	612.6	672.5	734.4
75°	429.0	381.1	337.2	323.3	335.3	373.2	435.0	494.9	558.8	622.6	680.5
77.5°	373.2	317.3	271.4	249.4	269.4	317.3	377.2	441.0	506.9	572.7	638.6
80°	315.3	257.4	207.5	183.6	205.5	257.4	317.3	387.1	461.0	526.8	586.7
82.5°	263.4	201.5	149.7	123.7	147.7	205.5	271.4	341.2	413.1	478.9	548.8
85°	215.5	151.7	97.8	69.8	103.8	155.7	225.5	297.3	371.2	439.0	506.9
87.5°	175.6	113.7	59.9	29.9	63.9	121.7	187.6	259.4	333.3	401.1	465.0
90°	143.7	81.8	31.9	4.0	37.9	91.8	155.7	225.5	295.3	365.2	429.0
92.5°	117.7	61.9	18.0	2.0	23.9	73.8	133.7	199.6	267.4	335.3	397.1
95°	97.8	47.9	12.0	2.0	18.0	57.9	113.7	177.6	241.5	307.3	369.2
97.5°	83.8	39.9	10.0	2.0	14.0	49.9	97.8	157.6	219.5	281.4	341.2
100°	71.8	31.9	8.0	2.0	12.0	41.9	85.8	139.7	197.6	257.4	315.3
102.5°	61.9	25.9	6.0	2.0	10.0	35.9	75.8	125.7	177.6	235.5	291.3
105°	53.9	22.0	6.0	2.0	8.0	31.9	67.8	111.8	163.6	215.5	269.4
107.5°	45.9	18.0	4.0	2.0	6.0	25.9	59.9	101.8	147.7	197.6	247.4
110°	39.9	16.0	4.0	2.0	6.0	23.9	51.9	91.8	133.7	179.6	227.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	33.9	12.0	4.0	2.0	4.0	20.0	45.9	81.8	121.7	163.6	209.5
115°	29.9	10.0	2.0	2.0	4.0	18.0	41.9	73.8	109.8	149.7	191.6
117.5°	23.9	8.0	2.0	2.0	2.0	14.0	35.9	65.9	99.8	137.7	175.6
120°	20.0	8.0	2.0	2.0	2.0	12.0	31.9	57.9	89.8	123.7	159.6
122.5°	18.0	6.0	2.0	2.0	2.0	10.0	27.9	51.9	79.8	111.8	145.7
125°	16.0	6.0	2.0	2.0	2.0	8.0	23.9	45.9	71.8	99.8	131.7
127.5°	12.0	6.0	2.0	2.0	2.0	6.0	22.0	39.9	63.9	89.8	117.7
130°	10.0	4.0	2.0	2.0	2.0	6.0	18.0	35.9	55.9	79.8	105.8
132.5°	8.0	4.0	2.0	2.0	2.0	4.0	14.0	27.9	47.9	69.8	93.8
135°	8.0	4.0	2.0	2.0	2.0	4.0	10.0	23.9	39.9	59.9	79.8
137.5°	8.0	2.0	2.0	2.0	2.0	4.0	8.0	18.0	31.9	47.9	65.9
140°	6.0	2.0	2.0	2.0	2.0	2.0	6.0	14.0	25.9	39.9	55.9
142.5°	6.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	20.0	31.9	43.9
145°	4.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	16.0	23.9	35.9
147.5°	4.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	12.0	20.0	27.9
150°	4.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	8.0	14.0	22.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	10.0	14.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	8.0	10.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	8.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8
2.5°	1897.8	1883.8	1887.8	1885.8	1889.8	1895.8	1895.8	1893.8	1893.8	1889.8	1885.8
5°	1893.8	1879.8	1885.8	1883.8	1887.8	1893.8	1893.8	1891.8	1891.8	1885.8	1883.8
7.5°	1881.8	1871.8	1875.8	1875.8	1879.8	1885.8	1885.8	1883.8	1883.8	1877.8	1875.8
10°	1869.8	1857.8	1863.8	1863.8	1867.8	1875.8	1875.8	1873.8	1873.8	1867.8	1865.8
12.5°	1849.9	1837.9	1847.9	1849.9	1853.9	1861.8	1859.8	1859.8	1859.8	1853.9	1851.9
15°	1825.9	1817.9	1827.9	1829.9	1835.9	1845.9	1845.9	1845.9	1845.9	1839.9	1837.9
17.5°	1800.0	1794.0	1804.0	1808.0	1815.9	1825.9	1825.9	1827.9	1829.9	1825.9	1823.9
20°	1770.0	1766.1	1776.0	1784.0	1796.0	1806.0	1810.0	1812.0	1815.9	1812.0	1810.0
22.5°	1736.1	1736.1	1750.1	1758.1	1772.0	1782.0	1788.0	1794.0	1798.0	1794.0	1792.0
25°	1698.2	1704.2	1718.2	1732.1	1748.1	1758.1	1764.1	1772.0	1776.0	1774.0	1772.0
27.5°	1662.3	1670.3	1688.2	1702.2	1716.2	1732.1	1738.1	1748.1	1752.1	1752.1	1750.1
30°	1620.4	1632.4	1652.3	1668.3	1686.2	1702.2	1710.2	1720.2	1726.1	1722.2	1724.1
32.5°	1580.5	1600.4	1616.4	1634.3	1654.3	1670.3	1680.2	1692.2	1698.2	1696.2	1698.2
35°	1536.6	1556.5	1578.5	1596.4	1620.4	1636.3	1650.3	1660.3	1668.3	1666.3	1666.3
37.5°	1488.7	1514.6	1536.6	1560.5	1582.5	1600.4	1614.4	1626.4	1634.3	1634.3	1634.3
40°	1442.8	1470.7	1492.7	1520.6	1548.5	1564.5	1580.5	1592.4	1600.4	1602.4	1604.4
42.5°	1392.9	1422.8	1448.8	1478.7	1506.6	1526.6	1544.5	1558.5	1566.5	1570.5	1568.5
45°	1347.0	1374.9	1404.9	1438.8	1464.7	1484.7	1506.6	1522.6	1530.6	1532.6	1534.6
47.5°	1295.1	1327.0	1361.0	1394.9	1420.8	1446.8	1466.7	1482.7	1490.7	1496.7	1496.7
50°	1245.2	1279.1	1317.1	1353.0	1380.9	1406.9	1426.8	1444.8	1454.7	1458.7	1460.7
52.5°	1199.3	1231.2	1271.2	1307.1	1335.0	1361.0	1386.9	1406.9	1416.8	1420.8	1420.8
55°	1143.4	1183.4	1227.3	1261.2	1291.1	1321.0	1347.0	1366.9	1376.9	1382.9	1386.9
57.5°	1091.6	1133.5	1179.4	1215.3	1251.2	1279.1	1303.1	1329.0	1337.0	1345.0	1347.0
60°	1041.7	1083.6	1127.5	1167.4	1203.3	1233.2	1261.2	1283.1	1297.1	1301.1	1305.1
62.5°	989.8	1033.7	1079.6	1119.5	1157.4	1193.3	1219.3	1239.2	1255.2	1261.2	1265.2
65°	939.9	985.8	1031.7	1073.6	1113.5	1149.4	1175.4	1195.3	1211.3	1221.3	1223.3
67.5°	886.0	935.9	983.8	1027.7	1067.6	1105.5	1131.5	1151.4	1167.4	1179.4	1181.4
70°	836.1	888.0	935.9	983.8	1023.7	1061.6	1089.6	1109.5	1127.5	1135.5	1139.5
72.5°	788.2	842.1	892.0	939.9	979.8	1017.7	1047.7	1067.6	1085.6	1095.6	1097.5
75°	742.3	796.2	850.1	896.0	937.9	975.8	1005.8	1027.7	1043.7	1053.6	1057.6
77.5°	696.4	752.3	806.2	852.1	896.0	933.9	959.9	985.8	1001.8	1013.7	1013.7
80°	650.5	708.4	764.3	810.2	854.1	888.0	917.9	943.9	959.9	971.8	971.8
82.5°	610.6	666.5	720.4	766.3	810.2	848.1	878.0	902.0	919.9	927.9	929.9
85°	564.7	626.6	676.5	726.4	768.3	804.2	834.1	860.1	876.0	884.0	888.0
87.5°	526.8	586.7	640.6	684.5	726.4	762.3	796.2	818.2	834.1	844.1	848.1
90°	490.9	548.8	602.7	646.6	690.5	724.4	756.3	778.3	796.2	804.2	808.2
92.5°	459.0	516.8	568.7	612.6	654.5	692.5	722.4	744.3	760.3	768.3	774.3
95°	429.0	484.9	534.8	582.7	622.6	656.5	688.5	710.4	728.4	734.4	740.3
97.5°	399.1	453.0	502.9	548.8	590.7	622.6	652.5	674.5	688.5	698.4	704.4
100°	373.2	425.1	472.9	516.8	556.8	586.7	618.6	638.6	652.5	660.5	668.5
102.5°	345.2	397.1	443.0	484.9	526.8	554.8	584.7	604.6	616.6	630.6	630.6
105°	321.3	369.2	415.1	455.0	490.9	524.8	550.8	570.7	584.7	594.7	594.7
107.5°	295.3	343.2	387.1	429.0	463.0	494.9	518.8	536.8	552.8	558.8	564.7
110°	275.4	317.3	361.2	401.1	433.0	463.0	486.9	506.9	520.8	526.8	530.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	251.4	295.3	335.3	373.2	405.1	433.0	457.0	472.9	486.9	494.9	496.9
115°	231.5	273.4	309.3	345.2	379.2	403.1	425.1	441.0	455.0	461.0	465.0
117.5°	213.5	251.4	287.4	317.3	349.2	375.2	397.1	411.1	423.1	431.0	435.0
120°	195.6	231.5	263.4	293.3	323.3	347.2	367.2	381.1	395.1	401.1	401.1
122.5°	177.6	211.5	241.5	269.4	297.3	319.3	341.2	353.2	365.2	371.2	371.2
125°	161.6	193.6	221.5	247.4	273.4	293.3	311.3	325.3	337.2	341.2	341.2
127.5°	145.7	175.6	201.5	225.5	247.4	267.4	285.4	299.3	309.3	313.3	313.3
130°	131.7	157.6	181.6	205.5	227.5	243.5	261.4	273.4	279.4	285.4	287.4
132.5°	117.7	141.7	163.6	183.6	205.5	221.5	235.5	247.4	253.4	259.4	261.4
135°	103.8	125.7	145.7	165.6	183.6	199.6	211.5	221.5	229.5	233.5	235.5
137.5°	87.8	111.8	129.7	145.7	165.6	177.6	191.6	197.6	205.5	209.5	209.5
140°	73.8	91.8	111.8	127.7	143.7	155.7	167.6	177.6	183.6	185.6	185.6
142.5°	59.9	75.8	91.8	111.8	125.7	135.7	147.7	155.7	159.6	161.6	163.6
145°	47.9	59.9	73.8	91.8	107.8	119.7	125.7	133.7	137.7	139.7	141.7
147.5°	35.9	47.9	59.9	71.8	87.8	99.8	105.8	113.7	117.7	119.7	119.7
150°	27.9	35.9	43.9	55.9	67.8	81.8	89.8	95.8	97.8	99.8	99.8
152.5°	20.0	27.9	33.9	41.9	49.9	61.9	73.8	77.8	79.8	81.8	81.8
155°	14.0	20.0	23.9	29.9	35.9	45.9	55.9	61.9	63.9	65.9	65.9
157.5°	10.0	14.0	16.0	22.0	25.9	29.9	37.9	47.9	49.9	49.9	49.9
160°	6.0	8.0	10.0	14.0	16.0	20.0	23.9	29.9	35.9	35.9	35.9
162.5°	4.0	6.0	6.0	8.0	8.0	12.0	14.0	16.0	22.0	23.9	23.9
165°	2.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	10.0	12.0	12.0
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-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8
2.5°	1887.8	1891.8	1889.8	1889.8	1889.8	1893.8	1889.8	1871.8	1875.8	1879.8	1883.8
5°	1885.8	1887.8	1887.8	1885.8	1885.8	1889.8	1885.8	1867.8	1871.8	1875.8	1877.8
7.5°	1877.8	1879.8	1879.8	1879.8	1877.8	1881.8	1875.8	1859.8	1859.8	1863.8	1865.8
10°	1867.8	1871.8	1869.8	1867.8	1867.8	1867.8	1863.8	1845.9	1845.9	1847.9	1849.9
12.5°	1855.9	1855.9	1855.9	1853.9	1851.9	1851.9	1847.9	1829.9	1827.9	1831.9	1829.9
15°	1839.9	1843.9	1839.9	1837.9	1833.9	1833.9	1827.9	1810.0	1806.0	1808.0	1806.0
17.5°	1825.9	1827.9	1823.9	1819.9	1815.9	1813.9	1808.0	1788.0	1782.0	1784.0	1780.0
20°	1812.0	1812.0	1808.0	1804.0	1798.0	1792.0	1784.0	1764.1	1754.1	1754.1	1746.1
22.5°	1794.0	1794.0	1790.0	1784.0	1778.0	1770.0	1762.1	1742.1	1726.1	1722.2	1716.2
25°	1774.0	1772.0	1770.0	1764.1	1752.1	1744.1	1736.1	1714.2	1696.2	1688.2	1678.2
27.5°	1750.1	1750.1	1744.1	1738.1	1726.1	1716.2	1706.2	1686.2	1662.3	1652.3	1638.3
30°	1724.1	1724.1	1718.2	1710.2	1698.2	1686.2	1674.3	1650.3	1626.4	1612.4	1596.4
32.5°	1698.2	1696.2	1690.2	1682.2	1670.3	1652.3	1642.3	1618.4	1590.4	1574.5	1552.5
35°	1666.3	1664.3	1658.3	1648.3	1632.4	1618.4	1602.4	1580.5	1548.5	1528.6	1504.6
37.5°	1634.3	1632.4	1628.4	1614.4	1598.4	1582.5	1562.5	1540.6	1510.6	1484.7	1460.7
40°	1602.4	1600.4	1592.4	1582.5	1562.5	1542.6	1522.6	1500.6	1468.7	1438.8	1412.8
42.5°	1568.5	1566.5	1556.5	1544.5	1522.6	1502.6	1478.7	1454.7	1422.8	1386.9	1361.0
45°	1534.6	1530.6	1520.6	1506.6	1482.7	1460.7	1436.8	1408.9	1376.9	1343.0	1309.1
47.5°	1498.7	1492.7	1482.7	1462.7	1442.8	1418.8	1390.9	1361.0	1329.0	1291.1	1255.2
50°	1458.7	1454.7	1442.8	1424.8	1400.9	1376.9	1345.0	1315.1	1277.1	1241.2	1197.3
52.5°	1420.8	1412.8	1402.9	1382.9	1359.0	1333.0	1299.1	1263.2	1225.3	1191.3	1145.4
55°	1380.9	1376.9	1363.0	1347.0	1317.1	1287.1	1255.2	1217.3	1175.4	1135.5	1091.6
57.5°	1343.0	1335.0	1323.0	1301.1	1275.2	1245.2	1211.3	1171.4	1125.5	1083.6	1035.7
60°	1305.1	1293.1	1279.1	1259.2	1231.2	1199.3	1163.4	1121.5	1075.6	1029.7	979.8
62.5°	1263.2	1253.2	1237.2	1217.3	1189.3	1155.4	1117.5	1073.6	1029.7	981.8	927.9
65°	1221.3	1211.3	1195.3	1175.4	1147.4	1109.5	1069.6	1025.7	975.8	929.9	872.1
67.5°	1179.4	1169.4	1151.4	1129.5	1101.5	1065.6	1023.7	977.8	927.9	878.0	818.2
70°	1137.5	1125.5	1109.5	1085.6	1057.6	1019.7	977.8	929.9	880.0	826.2	766.3
72.5°	1095.6	1085.6	1065.6	1043.7	1013.7	975.8	933.9	886.0	834.1	778.3	718.4
75°	1053.6	1041.7	1027.7	1001.8	969.8	933.9	890.0	842.1	786.2	732.4	670.5
77.5°	1011.7	1001.8	983.8	957.9	927.9	890.0	846.1	798.2	742.3	686.5	620.6
80°	969.8	957.9	943.9	919.9	886.0	848.1	802.2	754.3	698.4	640.6	574.7
82.5°	927.9	916.0	900.0	876.0	844.1	806.2	762.3	710.4	654.5	594.7	532.8
85°	886.0	876.0	858.1	834.1	800.2	762.3	718.4	672.5	612.6	552.8	490.9
87.5°	844.1	834.1	816.2	792.2	760.3	722.4	678.5	630.6	572.7	516.8	449.0
90°	804.2	796.2	778.3	754.3	722.4	684.5	644.6	592.7	536.8	480.9	417.1
92.5°	768.3	760.3	744.3	720.4	692.5	650.5	610.6	560.7	504.9	447.0	385.1
95°	736.4	726.4	710.4	688.5	654.5	618.6	578.7	528.8	474.9	417.1	357.2
97.5°	700.4	690.5	674.5	650.5	622.6	584.7	544.8	496.9	443.0	389.1	329.3
100°	664.5	654.5	636.6	616.6	588.7	550.8	512.9	465.0	415.1	363.2	305.3
102.5°	628.6	618.6	602.7	582.7	554.8	520.8	482.9	437.0	387.1	335.3	281.4
105°	594.7	584.7	568.7	548.8	522.8	488.9	449.0	409.1	361.2	311.3	259.4
107.5°	560.7	550.8	536.8	516.8	490.9	459.0	421.1	379.2	335.3	287.4	237.5
110°	526.8	518.8	502.9	484.9	459.0	427.0	393.1	353.2	309.3	265.4	217.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	494.9	486.9	470.9	451.0	429.0	399.1	365.2	327.3	285.4	243.5	197.6
115°	463.0	453.0	439.0	421.1	399.1	371.2	339.2	305.3	263.4	223.5	181.6
117.5°	431.0	423.1	409.1	391.1	371.2	343.2	313.3	281.4	241.5	203.5	165.6
120°	399.1	393.1	379.2	363.2	343.2	317.3	289.4	257.4	221.5	185.6	149.7
122.5°	369.2	363.2	349.2	335.3	315.3	291.3	265.4	235.5	203.5	169.6	137.7
125°	341.2	333.3	321.3	307.3	289.4	267.4	241.5	213.5	183.6	153.7	123.7
127.5°	311.3	305.3	297.3	281.4	263.4	243.5	219.5	195.6	167.6	139.7	111.8
130°	287.4	279.4	269.4	257.4	241.5	221.5	199.6	175.6	151.7	125.7	97.8
132.5°	259.4	251.4	243.5	231.5	217.5	199.6	179.6	157.6	135.7	111.8	87.8
135°	233.5	227.5	219.5	207.5	193.6	179.6	159.6	139.7	119.7	97.8	77.8
137.5°	209.5	203.5	195.6	187.6	173.6	159.6	141.7	123.7	105.8	85.8	67.8
140°	185.6	181.6	173.6	165.6	153.7	139.7	123.7	107.8	91.8	73.8	57.9
142.5°	161.6	157.6	151.7	143.7	133.7	121.7	107.8	93.8	77.8	63.9	49.9
145°	139.7	137.7	131.7	123.7	115.7	103.8	91.8	79.8	65.9	53.9	39.9
147.5°	117.7	115.7	111.8	105.8	97.8	87.8	77.8	65.9	55.9	43.9	31.9
150°	97.8	95.8	93.8	85.8	81.8	71.8	63.9	53.9	45.9	33.9	25.9
152.5°	79.8	79.8	75.8	69.8	65.9	57.9	51.9	43.9	35.9	27.9	20.0
155°	63.9	61.9	59.9	55.9	51.9	45.9	39.9	33.9	27.9	20.0	14.0
157.5°	49.9	47.9	45.9	41.9	37.9	35.9	29.9	23.9	18.0	14.0	10.0
160°	35.9	33.9	31.9	29.9	27.9	23.9	20.0	16.0	12.0	8.0	6.0
162.5°	23.9	22.0	22.0	20.0	18.0	14.0	12.0	10.0	8.0	6.0	4.0
165°	12.0	12.0	10.0	10.0	8.0	6.0	6.0	6.0	4.0	4.0	2.0
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-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8	1891.8
2.5°	1881.8	1881.8	1889.8	1887.8	1881.8	1893.8	1907.7
5°	1875.8	1875.8	1881.8	1881.8	1875.8	1887.8	1899.8
7.5°	1865.8	1863.8	1869.8	1869.8	1861.8	1871.8	1885.8
10°	1847.9	1845.9	1851.9	1851.9	1843.9	1853.9	1865.8
12.5°	1827.9	1823.9	1829.9	1827.9	1819.9	1829.9	1841.9
15°	1802.0	1800.0	1804.0	1800.0	1792.0	1802.0	1813.9
17.5°	1776.0	1770.0	1772.0	1772.0	1758.1	1768.0	1778.0
20°	1742.1	1734.1	1736.1	1734.1	1724.1	1730.1	1742.1
22.5°	1708.2	1696.2	1696.2	1694.2	1682.2	1690.2	1700.2
25°	1666.3	1652.3	1652.3	1650.3	1636.3	1642.3	1652.3
27.5°	1624.4	1610.4	1604.4	1602.4	1588.5	1588.5	1602.4
30°	1580.5	1560.5	1556.5	1550.5	1536.6	1536.6	1548.5
32.5°	1538.6	1510.6	1502.6	1494.7	1480.7	1478.7	1492.7
35°	1482.7	1460.7	1446.8	1438.8	1422.8	1418.8	1430.8
37.5°	1436.8	1408.9	1388.9	1378.9	1363.0	1357.0	1372.9
40°	1386.9	1357.0	1331.0	1325.0	1301.1	1293.1	1307.1
42.5°	1331.0	1299.1	1273.2	1261.2	1243.2	1235.2	1237.2
45°	1275.2	1241.2	1213.3	1197.3	1179.4	1165.4	1173.4
47.5°	1217.3	1187.3	1153.4	1129.5	1107.5	1097.5	1101.5
50°	1159.4	1123.5	1091.6	1065.6	1039.7	1027.7	1035.7
52.5°	1101.5	1063.6	1027.7	999.8	969.8	957.9	959.9
55°	1045.7	1005.8	963.8	933.9	906.0	888.0	884.0
57.5°	989.8	945.9	902.0	868.1	832.1	816.2	810.2
60°	929.9	884.0	838.1	798.2	760.3	742.3	734.4
62.5°	874.0	824.2	772.3	730.4	692.5	668.5	662.5
65°	820.2	762.3	710.4	662.5	620.6	594.7	586.7
67.5°	762.3	702.4	646.6	594.7	554.8	520.8	516.8
70°	708.4	644.6	582.7	528.8	484.9	451.0	435.0
72.5°	654.5	588.7	524.8	467.0	411.1	379.2	367.2
75°	602.7	534.8	467.0	407.1	345.2	307.3	295.3
77.5°	554.8	484.9	413.1	347.2	289.4	241.5	225.5
80°	508.9	437.0	361.2	293.3	231.5	179.6	161.6
82.5°	461.0	393.1	315.3	243.5	179.6	125.7	103.8
85°	419.1	351.2	273.4	201.5	137.7	79.8	55.9
87.5°	385.1	311.3	241.5	169.6	103.8	45.9	16.0
90°	351.2	279.4	209.5	139.7	77.8	25.9	2.0
92.5°	321.3	253.4	183.6	119.7	59.9	18.0	2.0
95°	293.3	227.5	161.6	99.8	47.9	12.0	2.0
97.5°	267.4	205.5	143.7	85.8	39.9	10.0	2.0
100°	245.5	185.6	127.7	75.8	33.9	8.0	2.0
102.5°	223.5	167.6	113.7	65.9	29.9	6.0	2.0
105°	205.5	151.7	101.8	59.9	25.9	6.0	2.0
107.5°	187.6	137.7	91.8	51.9	22.0	4.0	2.0
110°	169.6	125.7	81.8	45.9	20.0	4.0	2.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	155.7	113.7	73.8	41.9	16.0	4.0	2.0
115°	141.7	101.8	65.9	35.9	14.0	2.0	2.0
117.5°	127.7	91.8	57.9	31.9	12.0	2.0	2.0
120°	115.7	81.8	51.9	27.9	10.0	2.0	2.0
122.5°	103.8	73.8	45.9	23.9	8.0	2.0	2.0
125°	93.8	65.9	39.9	20.0	6.0	2.0	2.0
127.5°	83.8	57.9	35.9	18.0	6.0	2.0	2.0
130°	73.8	51.9	29.9	14.0	4.0	2.0	2.0
132.5°	65.9	43.9	25.9	12.0	4.0	2.0	2.0
135°	57.9	37.9	22.0	8.0	4.0	2.0	2.0
137.5°	49.9	31.9	18.0	6.0	2.0	2.0	2.0
140°	41.9	27.9	14.0	6.0	2.0	2.0	2.0
142.5°	35.9	22.0	10.0	4.0	2.0	2.0	2.0
145°	27.9	18.0	8.0	4.0	2.0	2.0	2.0
147.5°	22.0	14.0	6.0	4.0	2.0	2.0	2.0
150°	16.0	10.0	6.0	2.0	2.0	2.0	2.0
152.5°	12.0	8.0	4.0	2.0	2.0	2.0	2.0
155°	8.0	6.0	4.0	2.0	2.0	2.0	2.0
157.5°	6.0	4.0	2.0	2.0	2.0	2.0	2.0
160°	4.0	2.0	2.0	2.0	2.0	2.0	2.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)