

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

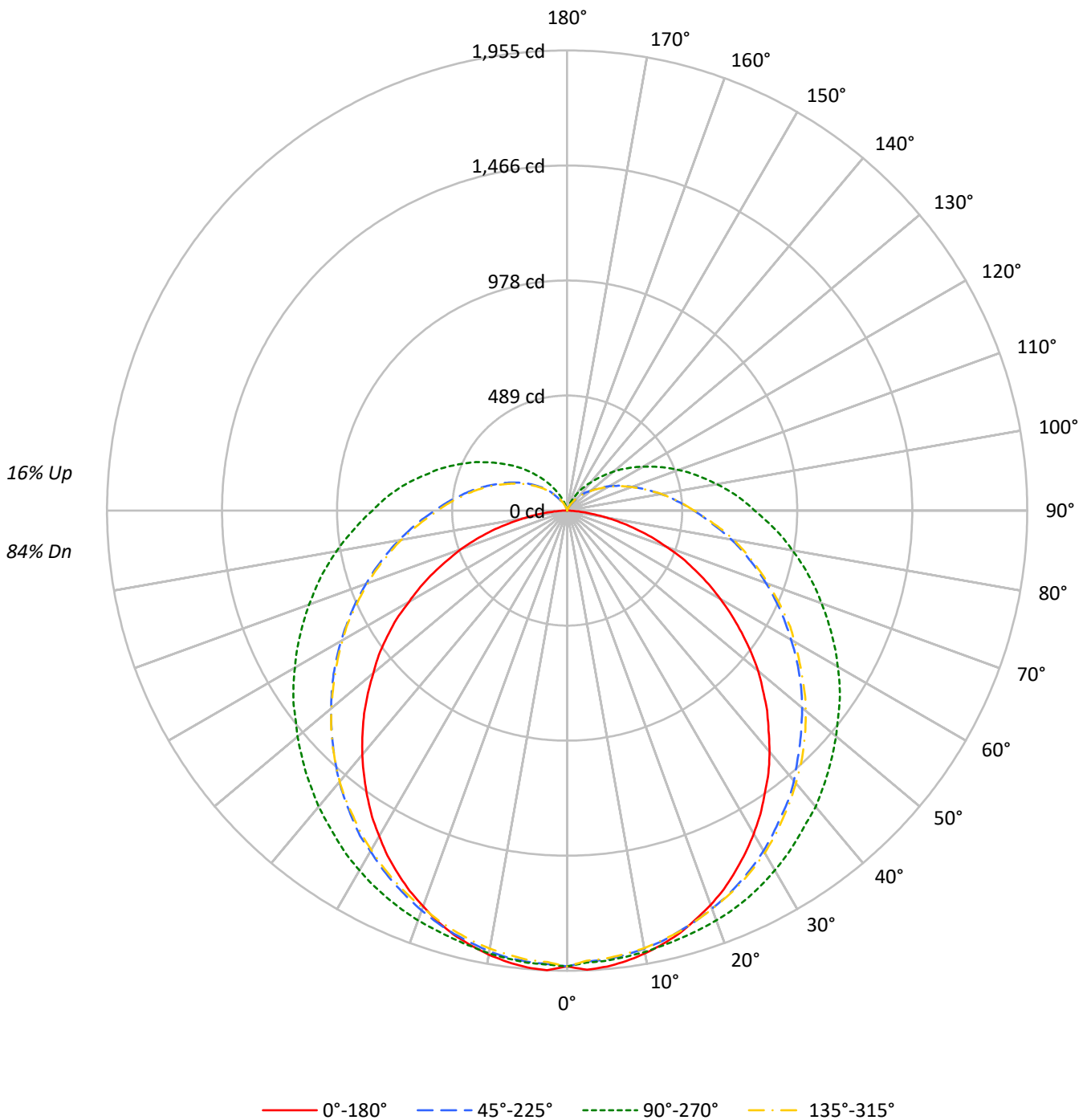
Lumens per Lamp: N/A
Luminaire Lumens: 8413.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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°	7824	7824	7824	7824
5°	7876	7540	7893	7572
10°	7814	7326	7839	7350
15°	7735	7142	7768	7150
20°	7624	7009	7651	7009
25°	7486	6890	7531	6882
30°	7329	6767	7386	6767
35°	7146	6654	7226	6662
40°	6965	6587	7051	6587
45°	6758	6517	6861	6526
50°	6542	6476	6630	6494
55°	6235	6482	6432	6510
60°	5914	6502	6107	6542
65°	5555	6567	5801	6632
70°	5044	6688	5437	6783
75°	4459	6907	4881	7039
80°	3537	7231	4016	7398
85°	2250	7751	2812	7965



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	2.2
10°-20°	527.2	6.3
20°-30°	808.3	9.6
30°-40°	997.2	11.9
40°-50°	1081.9	12.9
50°-60°	1066.3	12.7
60°-70°	964.1	11.5
70°-80°	803.2	9.5
80°-90°	622.1	7.4
90°-100°	471.8	5.6
100°-110°	349.1	4.2
110°-120°	242.9	2.9
120°-130°	155.0	1.8
130°-140°	86.9	1.0
140°-150°	39.7	0.5
150°-160°	12.3	0.1
160°-170°	1.5	0.0
170°-180°	0.0	0.0
0°-30°	1519.0	18.1
0°-40°	2516.2	29.9
0°-60°	4664.4	55.4
0°-90°	7053.7	83.8
90°-120°	1063.8	12.6
90°-150°	1345.4	16.0
90°-180°	1359.0	16.2
0°-180°	8413.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1936	1936	1936	1936	1936	
5°	1945	1920	1949	1928	1945	184
15°	1857	1879	1865	1881	1857	523
25°	1691	1816	1702	1814	1691	779
35°	1465	1704	1481	1706	1465	917
45°	1201	1569	1220	1571	1201	925
55°	905	1414	934	1420	905	810
65°	600	1240	627	1252	600	595
75°	302	1062	331	1083	302	320
85°	57	884	72	909	57	69
90°	2	797	4	827	2	3
95°	2	723	2	758	2	2
105°	2	574	2	609	2	2
115°	2	437	2	476	2	2
125°	2	315	2	349	2	2
135°	2	204	2	241	2	2
145°	2	118	2	145	2	1
155°	2	49	2	67	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-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4
2.5°	1952.8	1952.8	1950.7	1946.6	1948.7	1954.8	1950.7	1940.5	1934.4	1918.0	1922.1
5°	1944.6	1944.6	1942.6	1938.5	1940.5	1948.7	1944.6	1936.4	1928.3	1914.0	1920.1
7.5°	1930.3	1930.3	1928.3	1924.2	1928.3	1936.4	1932.3	1924.2	1918.0	1903.7	1909.9
10°	1909.9	1911.9	1909.9	1903.7	1911.9	1920.1	1918.0	1907.8	1901.7	1889.4	1895.6
12.5°	1885.4	1887.4	1885.4	1883.3	1887.4	1899.7	1895.6	1887.4	1883.3	1873.1	1879.2
15°	1856.8	1858.8	1854.7	1854.7	1858.8	1871.1	1871.1	1862.9	1858.8	1848.6	1860.8
17.5°	1820.0	1822.0	1820.0	1820.0	1824.1	1836.3	1838.4	1834.3	1830.2	1826.1	1838.4
20°	1783.2	1781.2	1781.2	1779.1	1787.3	1805.7	1803.7	1803.7	1799.6	1799.6	1813.9
22.5°	1740.3	1740.3	1738.3	1738.3	1748.5	1764.8	1764.8	1768.9	1764.8	1773.0	1785.3
25°	1691.3	1693.4	1691.3	1695.4	1703.6	1721.9	1724.0	1730.1	1732.2	1740.3	1754.6
27.5°	1640.2	1642.3	1640.2	1644.3	1658.6	1672.9	1683.1	1691.3	1693.4	1705.6	1724.0
30°	1585.1	1585.1	1587.1	1591.2	1607.6	1630.0	1638.2	1648.4	1648.4	1668.8	1687.2
32.5°	1527.9	1527.9	1527.9	1536.1	1554.5	1581.0	1591.2	1603.5	1607.6	1628.0	1648.4
35°	1464.6	1466.6	1466.6	1472.7	1497.3	1523.8	1538.1	1552.4	1560.6	1585.1	1605.5
37.5°	1405.3	1409.4	1403.3	1411.5	1446.2	1468.7	1485.0	1499.3	1513.6	1546.3	1562.6
40°	1337.9	1342.0	1340.0	1356.3	1384.9	1413.5	1431.9	1446.2	1466.6	1499.3	1517.7
42.5°	1266.4	1270.5	1274.6	1293.0	1323.6	1352.2	1374.7	1393.1	1417.6	1446.2	1476.8
45°	1201.1	1201.1	1207.2	1229.7	1262.4	1293.0	1319.5	1340.0	1368.6	1399.2	1429.9
47.5°	1127.5	1129.6	1137.8	1164.3	1199.0	1235.8	1260.3	1286.9	1317.5	1350.2	1384.9
50°	1060.1	1060.1	1072.4	1101.0	1133.7	1174.5	1201.1	1231.7	1264.4	1303.2	1337.9
52.5°	982.5	986.6	1005.0	1031.5	1074.4	1111.2	1141.8	1174.5	1213.3	1254.2	1293.0
55°	904.9	913.1	927.4	964.1	1009.1	1043.8	1080.6	1121.4	1158.2	1203.1	1248.1
57.5°	829.3	835.4	857.9	894.7	941.7	984.6	1023.4	1062.2	1107.1	1152.1	1199.0
60°	751.7	759.9	786.4	823.2	874.3	919.2	964.1	1005.0	1052.0	1098.9	1148.0
62.5°	678.2	684.3	714.9	757.8	808.9	857.9	902.8	951.9	1002.9	1047.9	1096.9
65°	600.5	610.8	645.5	684.3	743.5	792.5	843.6	896.7	949.8	998.9	1045.8
67.5°	529.0	535.2	571.9	616.9	676.1	731.3	784.4	841.6	896.7	947.8	994.8
70°	445.3	465.7	502.5	549.5	612.8	670.0	727.2	786.4	845.7	898.8	943.7
72.5°	375.8	392.2	433.0	484.1	545.4	612.8	672.0	735.4	794.6	849.7	896.7
75°	302.3	318.7	365.6	422.8	486.1	557.6	618.9	684.3	745.6	800.7	849.7
77.5°	230.8	251.2	302.3	361.5	431.0	504.5	567.9	633.2	696.5	755.8	804.8
80°	165.5	187.9	243.1	310.5	377.9	451.4	520.9	586.2	649.6	708.8	759.9
82.5°	106.2	130.7	190.0	257.4	328.9	402.4	473.9	539.3	602.6	661.8	714.9
85°	57.2	83.7	145.0	212.4	283.9	357.5	429.0	498.4	559.7	614.8	672.0
87.5°	16.3	49.0	108.3	175.7	249.2	316.6	386.1	455.5	516.8	576.0	627.1
90°	2.0	28.6	81.7	145.0	216.5	281.9	351.3	416.7	478.0	537.2	588.3
92.5°	2.0	18.4	63.3	120.5	185.9	253.3	322.7	386.1	443.3	502.5	553.6
95°	2.0	14.3	51.1	102.1	163.4	226.7	292.1	353.4	412.6	467.8	518.8
97.5°	2.0	10.2	40.9	87.8	143.0	202.2	265.5	326.8	384.0	437.1	484.1
100°	2.0	8.2	32.7	75.6	124.6	181.8	239.0	298.2	353.4	404.4	453.5
102.5°	2.0	6.1	28.6	63.3	110.3	161.4	216.5	271.7	324.8	373.8	422.8
105°	2.0	6.1	24.5	55.2	98.0	145.0	196.1	249.2	298.2	345.2	390.1
107.5°	2.0	4.1	20.4	47.0	85.8	130.7	177.7	228.8	273.7	318.7	361.5
110°	2.0	4.1	16.3	42.9	75.6	116.4	161.4	208.3	251.2	294.1	335.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.0	4.1	14.3	36.8	65.4	104.2	145.0	187.9	228.8	271.7	308.4
115°	2.0	4.1	12.3	32.7	61.3	89.9	130.7	169.5	210.4	249.2	283.9
117.5°	2.0	4.1	10.2	26.6	53.1	81.7	114.4	153.2	190.0	226.7	259.4
120°	2.0	4.1	8.2	24.5	47.0	73.5	102.1	136.9	171.6	206.3	241.0
122.5°	2.0	2.0	8.2	20.4	40.9	65.4	94.0	120.5	153.2	185.9	216.5
125°	2.0	2.0	8.2	18.4	34.7	59.2	83.7	108.3	136.9	165.5	192.0
127.5°	2.0	2.0	6.1	14.3	30.6	51.1	73.5	100.1	120.5	147.1	173.6
130°	2.0	2.0	6.1	12.3	26.6	42.9	65.4	87.8	112.3	130.7	153.2
132.5°	2.0	2.0	6.1	10.2	20.4	34.7	55.2	75.6	98.0	118.5	136.9
135°	2.0	2.0	4.1	8.2	16.3	28.6	44.9	63.3	85.8	106.2	124.6
137.5°	2.0	2.0	4.1	8.2	12.3	24.5	34.7	51.1	71.5	89.9	108.3
140°	2.0	2.0	4.1	6.1	10.2	18.4	28.6	40.9	57.2	73.5	94.0
142.5°	2.0	2.0	2.0	6.1	8.2	14.3	22.5	32.7	44.9	59.2	75.6
145°	2.0	2.0	2.0	6.1	8.2	10.2	18.4	26.6	34.7	44.9	59.2
147.5°	2.0	2.0	2.0	4.1	6.1	8.2	14.3	20.4	26.6	34.7	42.9
150°	2.0	2.0	2.0	4.1	6.1	8.2	10.2	14.3	20.4	28.6	34.7
152.5°	2.0	2.0	2.0	4.1	4.1	6.1	8.2	10.2	14.3	20.4	24.5
155°	2.0	2.0	2.0	2.0	4.1	6.1	8.2	8.2	10.2	14.3	18.4
157.5°	2.0	2.0	2.0	2.0	4.1	4.1	6.1	6.1	8.2	8.2	12.3
160°	2.0	2.0	2.0	2.0	2.0	4.1	4.1	6.1	6.1	6.1	6.1
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1	6.1	6.1
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4
2.5°	1922.1	1924.2	1930.3	1930.3	1926.2	1926.2	1924.2	1922.1	1924.2	1928.3	1928.3
5°	1918.0	1920.1	1926.2	1928.3	1924.2	1922.1	1922.1	1920.1	1922.1	1926.2	1926.2
7.5°	1909.9	1911.9	1918.0	1920.1	1916.0	1916.0	1914.0	1911.9	1916.0	1918.0	1918.0
10°	1897.6	1899.7	1907.8	1909.9	1907.8	1905.8	1905.8	1903.7	1905.8	1909.9	1909.9
12.5°	1881.3	1885.4	1895.6	1895.6	1895.6	1893.5	1893.5	1891.5	1893.5	1897.6	1895.6
15°	1862.9	1871.1	1879.2	1883.3	1883.3	1883.3	1881.3	1879.2	1883.3	1885.4	1883.3
17.5°	1842.5	1852.7	1864.9	1869.0	1869.0	1871.1	1869.0	1867.0	1871.1	1871.1	1869.0
20°	1822.0	1832.3	1844.5	1848.6	1852.7	1854.7	1854.7	1852.7	1854.7	1856.8	1854.7
22.5°	1795.5	1807.7	1822.0	1828.2	1832.3	1836.3	1836.3	1836.3	1838.4	1840.4	1836.3
25°	1766.9	1781.2	1797.5	1803.7	1811.8	1813.9	1815.9	1815.9	1818.0	1820.0	1813.9
27.5°	1736.2	1752.6	1768.9	1779.1	1785.3	1789.4	1789.4	1791.4	1793.4	1795.5	1789.4
30°	1699.5	1724.0	1738.3	1746.5	1754.6	1760.8	1762.8	1764.8	1766.9	1768.9	1762.8
32.5°	1666.8	1687.2	1705.6	1715.8	1726.0	1734.2	1736.2	1736.2	1740.3	1740.3	1734.2
35°	1628.0	1652.5	1670.9	1681.1	1693.4	1699.5	1703.6	1703.6	1707.6	1707.6	1701.5
37.5°	1589.2	1613.7	1634.1	1646.4	1660.7	1668.8	1670.9	1670.9	1675.0	1675.0	1666.8
40°	1548.3	1574.9	1597.3	1611.6	1623.9	1634.1	1636.2	1642.3	1642.3	1640.2	1632.1
42.5°	1507.5	1532.0	1556.5	1572.8	1589.2	1599.4	1603.5	1605.5	1605.5	1603.5	1597.3
45°	1462.5	1491.1	1513.6	1534.0	1550.4	1560.6	1566.7	1568.7	1568.7	1564.7	1558.5
47.5°	1419.6	1448.2	1470.7	1493.2	1509.5	1521.8	1527.9	1529.9	1527.9	1525.9	1519.7
50°	1374.7	1407.4	1429.9	1452.3	1468.7	1478.9	1489.1	1491.1	1489.1	1487.0	1474.8
52.5°	1327.7	1362.4	1387.0	1409.4	1427.8	1440.1	1448.2	1450.3	1450.3	1446.2	1438.0
55°	1280.7	1311.4	1342.0	1366.5	1387.0	1399.2	1409.4	1413.5	1409.4	1405.3	1395.1
57.5°	1237.8	1266.4	1297.1	1323.6	1344.1	1360.4	1368.6	1372.7	1368.6	1362.4	1352.2
60°	1186.8	1217.4	1252.1	1276.7	1299.1	1315.5	1319.5	1327.7	1323.6	1317.5	1307.3
62.5°	1137.8	1174.5	1205.2	1235.8	1254.2	1272.6	1280.7	1284.8	1280.7	1274.6	1264.4
65°	1086.7	1127.5	1158.2	1188.8	1209.2	1227.6	1237.8	1239.9	1235.8	1229.7	1219.5
67.5°	1039.7	1078.5	1111.2	1143.9	1162.3	1180.6	1190.9	1194.9	1190.9	1182.7	1172.5
70°	992.7	1031.5	1070.3	1094.9	1117.3	1137.8	1143.9	1150.0	1145.9	1137.8	1125.5
72.5°	945.7	986.6	1025.4	1049.9	1074.4	1092.8	1101.0	1107.1	1103.0	1094.9	1080.6
75°	896.7	939.6	978.4	1005.0	1029.5	1047.9	1056.0	1062.2	1058.1	1049.9	1033.6
77.5°	851.8	894.7	931.4	960.0	984.6	1000.9	1015.2	1017.2	1013.2	1005.0	988.6
80°	804.8	847.7	886.5	915.1	939.6	956.0	966.2	972.3	968.2	960.0	943.7
82.5°	763.9	802.8	841.6	870.2	894.7	915.1	923.3	929.4	927.4	915.1	902.8
85°	719.0	763.9	794.6	825.2	849.7	870.2	876.3	884.5	882.4	872.2	855.9
87.5°	674.1	719.0	755.8	786.4	808.9	825.2	835.4	839.5	837.5	827.3	808.9
90°	637.3	678.2	714.9	747.6	766.0	784.4	794.6	796.6	796.6	784.4	770.1
92.5°	602.6	641.4	678.2	708.8	731.3	747.6	755.8	759.9	757.8	747.6	731.3
95°	563.8	606.7	641.4	672.0	694.5	710.8	719.0	723.1	721.1	710.8	694.5
97.5°	531.1	569.9	604.6	633.2	655.7	672.0	680.2	684.3	684.3	674.1	657.7
100°	498.4	537.2	569.9	598.5	618.9	635.3	643.4	645.5	643.4	635.3	618.9
102.5°	465.7	502.5	535.2	561.7	584.2	598.5	606.7	608.7	608.7	598.5	582.2
105°	433.0	469.8	500.4	529.0	547.4	561.7	567.9	574.0	571.9	563.8	547.4
107.5°	402.4	439.2	467.8	494.3	512.7	527.0	533.1	539.3	537.2	529.0	512.7
110°	373.8	408.5	435.1	461.6	478.0	492.3	502.5	504.5	500.4	492.3	478.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	347.2	377.9	404.4	429.0	447.3	457.6	465.7	469.8	465.7	457.6	447.3
115°	318.7	349.3	375.8	398.3	414.7	426.9	433.0	437.1	433.0	424.9	414.7
117.5°	292.1	320.7	347.2	369.7	384.0	394.2	400.4	404.4	400.4	394.2	384.0
120°	269.6	294.1	318.7	339.1	355.4	363.6	369.7	373.8	371.8	363.6	353.4
122.5°	243.1	269.6	292.1	312.5	326.8	335.0	339.1	343.2	341.1	335.0	324.8
125°	220.6	243.1	265.5	283.9	298.2	306.4	310.5	314.6	312.5	306.4	294.1
127.5°	196.1	220.6	239.0	257.4	267.6	279.8	281.9	286.0	283.9	277.8	267.6
130°	177.7	196.1	214.5	230.8	243.1	251.2	255.3	257.4	253.3	249.2	239.0
132.5°	155.2	175.7	192.0	206.3	214.5	222.6	226.7	228.8	228.8	222.6	214.5
135°	138.9	153.2	167.5	181.8	190.0	198.1	202.2	204.3	202.2	198.1	190.0
137.5°	124.6	136.9	147.1	159.3	169.5	173.6	177.7	177.7	175.7	173.6	167.5
140°	108.3	122.6	132.8	140.9	149.1	151.2	155.2	155.2	153.2	151.2	147.1
142.5°	91.9	104.2	114.4	124.6	130.7	134.8	136.9	138.9	136.9	134.8	128.7
145°	73.5	87.8	98.0	104.2	112.3	114.4	116.4	118.5	116.4	114.4	108.3
147.5°	57.2	69.4	79.7	87.8	94.0	96.0	98.0	100.1	98.0	94.0	91.9
150°	40.9	51.1	63.3	71.5	75.6	79.7	79.7	79.7	81.7	77.6	73.5
152.5°	32.7	36.8	44.9	53.1	59.2	61.3	63.3	63.3	61.3	61.3	57.2
155°	22.5	26.6	32.7	38.8	44.9	47.0	49.0	49.0	47.0	47.0	44.9
157.5°	14.3	18.4	22.5	26.6	32.7	34.7	36.8	36.8	36.8	34.7	32.7
160°	8.2	10.2	12.3	16.3	20.4	22.5	24.5	24.5	24.5	24.5	22.5
162.5°	6.1	6.1	6.1	8.2	10.2	12.3	14.3	14.3	14.3	14.3	12.3
165°	4.1	4.1	4.1	4.1	4.1	6.1	8.2	8.2	8.2	8.2	8.2
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4
2.5°	1926.2	1926.2	1928.3	1924.2	1911.9	1914.0	1914.0	1922.1	1926.2	1928.3	1938.5
5°	1922.1	1922.1	1926.2	1920.1	1909.9	1909.9	1909.9	1918.0	1920.1	1924.2	1932.3
7.5°	1916.0	1916.0	1918.0	1911.9	1899.7	1899.7	1897.6	1905.8	1909.9	1911.9	1920.1
10°	1905.8	1905.8	1907.8	1901.7	1887.4	1887.4	1885.4	1891.5	1893.5	1897.6	1903.7
12.5°	1891.5	1891.5	1891.5	1885.4	1871.1	1869.0	1867.0	1873.1	1873.1	1875.1	1881.3
15°	1879.2	1875.1	1875.1	1869.0	1854.7	1850.6	1846.5	1848.6	1852.7	1850.6	1854.7
17.5°	1864.9	1860.8	1856.8	1850.6	1832.3	1826.1	1822.0	1824.1	1822.0	1820.0	1824.1
20°	1848.6	1842.5	1840.4	1830.2	1811.8	1801.6	1793.4	1789.4	1791.4	1785.3	1787.3
22.5°	1830.2	1822.0	1818.0	1805.7	1787.3	1775.1	1764.8	1756.7	1754.6	1746.5	1748.5
25°	1807.7	1797.5	1791.4	1781.2	1760.8	1746.5	1734.2	1721.9	1715.8	1705.6	1703.6
27.5°	1781.2	1771.0	1762.8	1752.6	1732.2	1713.8	1699.5	1683.1	1675.0	1662.7	1656.6
30°	1754.6	1742.4	1730.1	1721.9	1699.5	1679.1	1656.6	1642.3	1630.0	1615.7	1605.5
32.5°	1721.9	1709.7	1697.4	1685.2	1664.8	1640.2	1621.9	1599.4	1585.1	1568.7	1556.5
35°	1689.3	1672.9	1660.7	1644.3	1625.9	1597.3	1574.9	1552.4	1534.0	1515.6	1501.3
37.5°	1652.5	1640.2	1621.9	1607.6	1585.1	1556.5	1532.0	1503.4	1487.0	1462.5	1444.1
40°	1617.8	1603.5	1585.1	1566.7	1544.2	1511.6	1485.0	1452.3	1433.9	1405.3	1387.0
42.5°	1583.0	1562.6	1544.2	1523.8	1499.3	1468.7	1436.0	1403.3	1378.8	1352.2	1325.7
45°	1544.2	1521.8	1499.3	1476.8	1452.3	1421.7	1387.0	1352.2	1321.6	1297.1	1264.4
47.5°	1503.4	1480.9	1454.4	1429.9	1403.3	1372.7	1335.9	1299.1	1266.4	1237.8	1203.1
50°	1462.5	1440.1	1411.5	1384.9	1354.3	1323.6	1284.8	1241.9	1207.2	1170.4	1139.8
52.5°	1419.6	1397.2	1370.6	1335.9	1303.2	1272.6	1231.7	1186.8	1148.0	1117.3	1078.5
55°	1376.7	1354.3	1323.6	1288.9	1256.2	1217.4	1178.6	1133.7	1090.8	1054.0	1015.2
57.5°	1331.8	1311.4	1276.7	1248.1	1207.2	1166.3	1125.5	1082.6	1035.6	992.7	947.8
60°	1286.9	1264.4	1231.7	1197.0	1156.1	1115.3	1072.4	1025.4	976.4	929.4	888.5
62.5°	1246.0	1217.4	1186.8	1150.0	1107.1	1068.3	1019.3	968.2	919.2	870.2	821.1
65°	1199.0	1168.4	1139.8	1103.0	1058.1	1013.2	964.1	913.1	860.0	806.8	757.8
67.5°	1152.1	1121.4	1090.8	1054.0	1007.0	960.0	909.0	857.9	798.7	747.6	690.4
70°	1105.1	1080.6	1041.7	1002.9	960.0	909.0	857.9	802.8	741.5	686.3	627.1
72.5°	1058.1	1033.6	994.8	953.9	913.1	860.0	804.8	749.7	692.5	629.1	565.8
75°	1013.2	982.5	947.8	909.0	866.1	810.9	755.8	698.6	631.2	571.9	506.6
77.5°	970.3	941.7	906.9	864.0	817.1	763.9	706.8	647.5	580.1	516.8	445.3
80°	923.3	894.7	860.0	817.1	770.1	719.0	657.7	596.5	531.1	461.6	388.1
82.5°	878.3	851.8	813.0	774.2	723.1	672.0	610.8	549.5	480.0	412.6	341.1
85°	831.4	804.8	768.0	727.2	678.2	623.0	565.8	504.5	435.1	365.6	294.1
87.5°	790.5	759.9	723.1	682.2	633.2	580.1	525.0	459.6	392.2	324.8	251.2
90°	747.6	719.0	682.2	641.4	592.4	539.3	482.1	420.8	355.4	286.0	216.5
92.5°	710.8	680.2	645.5	604.6	555.6	504.5	447.3	386.1	322.7	255.3	187.9
95°	674.1	643.4	610.8	569.9	520.9	469.8	412.6	353.4	292.1	226.7	163.4
97.5°	633.2	606.7	574.0	535.2	486.1	437.1	382.0	324.8	265.5	202.2	143.0
100°	600.5	569.9	539.3	498.4	453.5	406.5	351.3	296.2	239.0	179.8	124.6
102.5°	563.8	535.2	504.5	465.7	420.8	373.8	322.7	269.6	216.5	161.4	108.3
105°	529.0	502.5	469.8	433.0	390.1	345.2	296.2	247.2	196.1	143.0	96.0
107.5°	494.3	467.8	437.1	402.4	361.5	316.6	271.7	222.6	175.7	128.7	85.8
110°	459.6	435.1	406.5	371.8	333.0	292.1	249.2	204.3	157.3	114.4	75.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	429.0	404.4	375.8	343.2	306.4	267.6	226.7	183.8	140.9	102.1	65.4
115°	398.3	375.8	347.2	318.7	281.9	245.1	206.3	165.5	126.6	91.9	57.2
117.5°	367.7	345.2	318.7	290.1	257.4	222.6	185.9	147.1	114.4	81.7	51.1
120°	337.0	316.6	292.1	265.5	236.9	202.2	165.5	132.8	102.1	71.5	44.9
122.5°	308.4	290.1	267.6	243.1	212.4	179.8	149.1	120.5	91.9	63.3	36.8
125°	281.9	263.5	243.1	218.6	190.0	161.4	134.8	108.3	79.7	55.2	30.6
127.5°	255.3	236.9	216.5	194.1	171.6	145.0	120.5	96.0	71.5	49.0	26.6
130°	228.8	212.4	194.1	175.7	153.2	128.7	108.3	83.7	61.3	38.8	22.5
132.5°	202.2	190.0	173.6	155.2	134.8	116.4	94.0	73.5	53.1	34.7	20.4
135°	179.8	167.5	153.2	136.9	120.5	102.1	81.7	63.3	44.9	28.6	16.3
137.5°	159.3	149.1	134.8	120.5	106.2	87.8	71.5	53.1	36.8	24.5	12.3
140°	140.9	130.7	118.5	104.2	91.9	75.6	59.2	42.9	32.7	20.4	10.2
142.5°	122.6	112.3	102.1	89.9	77.6	63.3	49.0	36.8	26.6	16.3	10.2
145°	104.2	96.0	85.8	75.6	63.3	51.1	40.9	30.6	20.4	12.3	8.2
147.5°	85.8	79.7	69.4	61.3	51.1	40.9	32.7	24.5	16.3	10.2	6.1
150°	69.4	63.3	55.2	47.0	40.9	32.7	26.6	18.4	12.3	10.2	6.1
152.5°	53.1	49.0	42.9	38.8	32.7	24.5	18.4	14.3	10.2	8.2	4.1
155°	42.9	38.8	34.7	28.6	24.5	18.4	14.3	10.2	8.2	6.1	4.1
157.5°	30.6	28.6	24.5	20.4	16.3	12.3	10.2	10.2	6.1	4.1	2.0
160°	20.4	18.4	16.3	12.3	10.2	10.2	8.2	6.1	4.1	4.1	2.0
162.5°	12.3	10.2	10.2	10.2	8.2	8.2	6.1	4.1	4.1	2.0	2.0
165°	8.2	8.2	8.2	6.1	6.1	6.1	4.1	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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4
2.5°	1938.5	1932.3	1940.5	1954.8	1956.9	1954.8	1950.7	1956.9	1965.0	1963.0	1948.7
5°	1934.4	1926.2	1934.4	1948.7	1948.7	1946.6	1944.6	1950.7	1958.9	1956.9	1944.6
7.5°	1922.1	1914.0	1922.1	1934.4	1936.4	1932.3	1932.3	1938.5	1946.6	1944.6	1934.4
10°	1905.8	1897.6	1901.7	1916.0	1920.1	1916.0	1916.0	1922.1	1932.3	1930.3	1918.0
12.5°	1881.3	1875.1	1879.2	1891.5	1895.6	1893.5	1891.5	1899.7	1909.9	1909.9	1897.6
15°	1854.7	1846.5	1850.6	1864.9	1867.0	1862.9	1864.9	1871.1	1883.3	1883.3	1873.1
17.5°	1824.1	1813.9	1820.0	1830.2	1832.3	1832.3	1832.3	1840.4	1854.7	1852.7	1844.5
20°	1789.4	1775.1	1779.1	1789.4	1793.4	1793.4	1793.4	1807.7	1818.0	1818.0	1809.8
22.5°	1748.5	1738.3	1738.3	1748.5	1754.6	1752.6	1752.6	1764.8	1779.1	1777.1	1777.1
25°	1701.5	1693.4	1689.3	1701.5	1703.6	1705.6	1709.7	1721.9	1738.3	1738.3	1740.3
27.5°	1652.5	1644.3	1642.3	1652.5	1654.5	1656.6	1660.7	1675.0	1691.3	1693.4	1697.4
30°	1605.5	1593.3	1589.2	1597.3	1601.4	1603.5	1603.5	1625.9	1640.2	1646.4	1654.5
32.5°	1550.4	1538.1	1527.9	1542.2	1544.2	1548.3	1550.4	1572.8	1589.2	1599.4	1611.6
35°	1495.2	1474.8	1470.7	1480.9	1485.0	1487.0	1491.1	1515.6	1538.1	1546.3	1562.6
37.5°	1433.9	1419.6	1407.4	1417.6	1421.7	1423.7	1436.0	1458.4	1480.9	1493.2	1509.5
40°	1376.7	1358.4	1348.1	1354.3	1358.4	1360.4	1374.7	1399.2	1425.8	1440.1	1460.5
42.5°	1313.4	1288.9	1280.7	1286.9	1288.9	1295.0	1307.3	1340.0	1366.5	1387.0	1403.3
45°	1250.1	1231.7	1213.3	1219.5	1221.5	1225.6	1244.0	1278.7	1307.3	1331.8	1350.2
47.5°	1184.7	1162.3	1143.9	1148.0	1156.1	1158.2	1178.6	1219.5	1246.0	1272.6	1297.1
50°	1119.4	1088.7	1074.4	1074.4	1078.5	1088.7	1115.3	1156.1	1184.7	1215.4	1241.9
52.5°	1052.0	1023.4	1007.0	1009.1	1013.2	1025.4	1049.9	1090.8	1123.5	1156.1	1188.8
55°	984.6	953.9	937.6	933.5	937.6	953.9	982.5	1025.4	1058.1	1096.9	1131.6
57.5°	917.1	880.4	866.1	860.0	864.0	884.5	913.1	958.0	998.9	1035.6	1076.5
60°	843.6	815.0	790.5	776.2	786.4	813.0	843.6	890.6	933.5	974.3	1019.3
62.5°	780.3	743.5	717.0	702.7	712.9	735.4	778.2	823.2	870.2	917.1	962.1
65°	708.8	672.0	641.4	627.1	637.3	663.9	706.8	755.8	806.8	853.8	906.9
67.5°	639.3	600.5	563.8	549.5	561.7	590.3	637.3	692.5	747.6	796.6	853.8
70°	571.9	529.0	490.2	480.0	488.2	527.0	571.9	627.1	684.3	741.5	800.7
72.5°	510.7	457.6	416.7	404.4	414.7	457.6	508.6	565.8	627.1	688.4	751.7
75°	439.2	390.1	345.2	330.9	343.2	382.0	445.3	506.6	571.9	637.3	696.5
77.5°	382.0	324.8	277.8	255.3	275.8	324.8	386.1	451.4	518.8	586.2	653.6
80°	322.7	263.5	212.4	187.9	210.4	263.5	324.8	396.3	471.9	539.3	600.5
82.5°	269.6	206.3	153.2	126.6	151.2	210.4	277.8	349.3	422.8	490.2	561.7
85°	220.6	155.2	100.1	71.5	106.2	159.3	230.8	304.4	379.9	449.4	518.8
87.5°	179.8	116.4	61.3	30.6	65.4	124.6	192.0	265.5	341.1	410.6	475.9
90°	147.1	83.7	32.7	4.1	38.8	94.0	159.3	230.8	302.3	373.8	439.2
92.5°	120.5	63.3	18.4	2.0	24.5	75.6	136.9	204.3	273.7	343.2	406.5
95°	100.1	49.0	12.3	2.0	18.4	59.2	116.4	181.8	247.2	314.6	377.9
97.5°	85.8	40.9	10.2	2.0	14.3	51.1	100.1	161.4	224.7	288.0	349.3
100°	73.5	32.7	8.2	2.0	12.3	42.9	87.8	143.0	202.2	263.5	322.7
102.5°	63.3	26.6	6.1	2.0	10.2	36.8	77.6	128.7	181.8	241.0	298.2
105°	55.2	22.5	6.1	2.0	8.2	32.7	69.4	114.4	167.5	220.6	275.8
107.5°	47.0	18.4	4.1	2.0	6.1	26.6	61.3	104.2	151.2	202.2	253.3
110°	40.9	16.3	4.1	2.0	6.1	24.5	53.1	94.0	136.9	183.8	232.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	34.7	12.3	4.1	2.0	4.1	20.4	47.0	83.7	124.6	167.5	214.5
115°	30.6	10.2	2.0	2.0	4.1	18.4	42.9	75.6	112.3	153.2	196.1
117.5°	24.5	8.2	2.0	2.0	2.0	14.3	36.8	67.4	102.1	140.9	179.8
120°	20.4	8.2	2.0	2.0	2.0	12.3	32.7	59.2	91.9	126.6	163.4
122.5°	18.4	6.1	2.0	2.0	2.0	10.2	28.6	53.1	81.7	114.4	149.1
125°	16.3	6.1	2.0	2.0	2.0	8.2	24.5	47.0	73.5	102.1	134.8
127.5°	12.3	6.1	2.0	2.0	2.0	6.1	22.5	40.9	65.4	91.9	120.5
130°	10.2	4.1	2.0	2.0	2.0	6.1	18.4	36.8	57.2	81.7	108.3
132.5°	8.2	4.1	2.0	2.0	2.0	4.1	14.3	28.6	49.0	71.5	96.0
135°	8.2	4.1	2.0	2.0	2.0	4.1	10.2	24.5	40.9	61.3	81.7
137.5°	8.2	2.0	2.0	2.0	2.0	4.1	8.2	18.4	32.7	49.0	67.4
140°	6.1	2.0	2.0	2.0	2.0	2.0	6.1	14.3	26.6	40.9	57.2
142.5°	6.1	2.0	2.0	2.0	2.0	2.0	6.1	10.2	20.4	32.7	44.9
145°	4.1	2.0	2.0	2.0	2.0	2.0	4.1	8.2	16.3	24.5	36.8
147.5°	4.1	2.0	2.0	2.0	2.0	2.0	4.1	6.1	12.3	20.4	28.6
150°	4.1	2.0	2.0	2.0	2.0	2.0	4.1	6.1	8.2	14.3	22.5
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	6.1	10.2	14.3
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	6.1	8.2	10.2
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	6.1	8.2
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	6.1
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4
2.5°	1942.6	1928.3	1932.3	1930.3	1934.4	1940.5	1940.5	1938.5	1938.5	1934.4	1930.3
5°	1938.5	1924.2	1930.3	1928.3	1932.3	1938.5	1938.5	1936.4	1936.4	1930.3	1928.3
7.5°	1926.2	1916.0	1920.1	1920.1	1924.2	1930.3	1930.3	1928.3	1928.3	1922.1	1920.1
10°	1914.0	1901.7	1907.8	1907.8	1911.9	1920.1	1920.1	1918.0	1918.0	1911.9	1909.9
12.5°	1893.5	1881.3	1891.5	1893.5	1897.6	1905.8	1903.7	1903.7	1903.7	1897.6	1895.6
15°	1869.0	1860.8	1871.1	1873.1	1879.2	1889.4	1889.4	1889.4	1889.4	1883.3	1881.3
17.5°	1842.5	1836.3	1846.5	1850.6	1858.8	1869.0	1869.0	1871.1	1873.1	1869.0	1867.0
20°	1811.8	1807.7	1818.0	1826.1	1838.4	1848.6	1852.7	1854.7	1858.8	1854.7	1852.7
22.5°	1777.1	1777.1	1791.4	1799.6	1813.9	1824.1	1830.2	1836.3	1840.4	1836.3	1834.3
25°	1738.3	1744.4	1758.7	1773.0	1789.4	1799.6	1805.7	1813.9	1818.0	1815.9	1813.9
27.5°	1701.5	1709.7	1728.1	1742.4	1756.7	1773.0	1779.1	1789.4	1793.4	1793.4	1791.4
30°	1658.6	1670.9	1691.3	1707.6	1726.0	1742.4	1750.5	1760.8	1766.9	1762.8	1764.8
32.5°	1617.8	1638.2	1654.5	1672.9	1693.4	1709.7	1719.9	1732.2	1738.3	1736.2	1738.3
35°	1572.8	1593.3	1615.7	1634.1	1658.6	1675.0	1689.3	1699.5	1707.6	1705.6	1705.6
37.5°	1523.8	1550.4	1572.8	1597.3	1619.8	1638.2	1652.5	1664.8	1672.9	1672.9	1672.9
40°	1476.8	1505.4	1527.9	1556.5	1585.1	1601.4	1617.8	1630.0	1638.2	1640.2	1642.3
42.5°	1425.8	1456.4	1483.0	1513.6	1542.2	1562.6	1581.0	1595.3	1603.5	1607.6	1605.5
45°	1378.8	1407.4	1438.0	1472.7	1499.3	1519.7	1542.2	1558.5	1566.7	1568.7	1570.8
47.5°	1325.7	1358.4	1393.1	1427.8	1454.4	1480.9	1501.3	1517.7	1525.9	1532.0	1532.0
50°	1274.6	1309.3	1348.1	1384.9	1413.5	1440.1	1460.5	1478.9	1489.1	1493.2	1495.2
52.5°	1227.6	1260.3	1301.2	1337.9	1366.5	1393.1	1419.6	1440.1	1450.3	1454.4	1454.4
55°	1170.4	1211.3	1256.2	1291.0	1321.6	1352.2	1378.8	1399.2	1409.4	1415.6	1419.6
57.5°	1117.3	1160.2	1207.2	1244.0	1280.7	1309.3	1333.8	1360.4	1368.6	1376.7	1378.8
60°	1066.3	1109.2	1154.1	1194.9	1231.7	1262.4	1291.0	1313.4	1327.7	1331.8	1335.9
62.5°	1013.2	1058.1	1105.1	1145.9	1184.7	1221.5	1248.1	1268.5	1284.8	1291.0	1295.0
65°	962.1	1009.1	1056.0	1098.9	1139.8	1176.6	1203.1	1223.5	1239.9	1250.1	1252.1
67.5°	906.9	958.0	1007.0	1052.0	1092.8	1131.6	1158.2	1178.6	1194.9	1207.2	1209.2
70°	855.9	909.0	958.0	1007.0	1047.9	1086.7	1115.3	1135.7	1154.1	1162.3	1166.3
72.5°	806.8	862.0	913.1	962.1	1002.9	1041.7	1072.4	1092.8	1111.2	1121.4	1123.5
75°	759.9	815.0	870.2	917.1	960.0	998.9	1029.5	1052.0	1068.3	1078.5	1082.6
77.5°	712.9	770.1	825.2	872.2	917.1	956.0	982.5	1009.1	1025.4	1037.7	1037.7
80°	665.9	725.1	782.3	829.3	874.3	909.0	939.6	966.2	982.5	994.8	994.8
82.5°	625.0	682.2	737.4	784.4	829.3	868.1	898.8	923.3	941.7	949.8	951.9
85°	578.1	641.4	692.5	743.5	786.4	823.2	853.8	880.4	896.7	904.9	909.0
87.5°	539.3	600.5	655.7	700.6	743.5	780.3	815.0	837.5	853.8	864.0	868.1
90°	502.5	561.7	616.9	661.8	706.8	741.5	774.2	796.6	815.0	823.2	827.3
92.5°	469.8	529.0	582.2	627.1	670.0	708.8	739.4	761.9	778.2	786.4	792.5
95°	439.2	496.4	547.4	596.5	637.3	672.0	704.7	727.2	745.6	751.7	757.8
97.5°	408.5	463.7	514.7	561.7	604.6	637.3	667.9	690.4	704.7	714.9	721.1
100°	382.0	435.1	484.1	529.0	569.9	600.5	633.2	653.6	667.9	676.1	684.3
102.5°	353.4	406.5	453.5	496.4	539.3	567.9	598.5	618.9	631.2	645.5	645.5
105°	328.9	377.9	424.9	465.7	502.5	537.2	563.8	584.2	598.5	608.7	608.7
107.5°	302.3	351.3	396.3	439.2	473.9	506.6	531.1	549.5	565.8	571.9	578.1
110°	281.9	324.8	369.7	410.6	443.3	473.9	498.4	518.8	533.1	539.3	543.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	257.4	302.3	343.2	382.0	414.7	443.3	467.8	484.1	498.4	506.6	508.6
115°	236.9	279.8	316.6	353.4	388.1	412.6	435.1	451.4	465.7	471.9	475.9
117.5°	218.6	257.4	294.1	324.8	357.5	384.0	406.5	420.8	433.0	441.2	445.3
120°	200.2	236.9	269.6	300.3	330.9	355.4	375.8	390.1	404.4	410.6	410.6
122.5°	181.8	216.5	247.2	275.8	304.4	326.8	349.3	361.5	373.8	379.9	379.9
125°	165.5	198.1	226.7	253.3	279.8	300.3	318.7	333.0	345.2	349.3	349.3
127.5°	149.1	179.8	206.3	230.8	253.3	273.7	292.1	306.4	316.6	320.7	320.7
130°	134.8	161.4	185.9	210.4	232.9	249.2	267.6	279.8	286.0	292.1	294.1
132.5°	120.5	145.0	167.5	187.9	210.4	226.7	241.0	253.3	259.4	265.5	267.6
135°	106.2	128.7	149.1	169.5	187.9	204.3	216.5	226.7	234.9	239.0	241.0
137.5°	89.9	114.4	132.8	149.1	169.5	181.8	196.1	202.2	210.4	214.5	214.5
140°	75.6	94.0	114.4	130.7	147.1	159.3	171.6	181.8	187.9	190.0	190.0
142.5°	61.3	77.6	94.0	114.4	128.7	138.9	151.2	159.3	163.4	165.5	167.5
145°	49.0	61.3	75.6	94.0	110.3	122.6	128.7	136.9	140.9	143.0	145.0
147.5°	36.8	49.0	61.3	73.5	89.9	102.1	108.3	116.4	120.5	122.6	122.6
150°	28.6	36.8	44.9	57.2	69.4	83.7	91.9	98.0	100.1	102.1	102.1
152.5°	20.4	28.6	34.7	42.9	51.1	63.3	75.6	79.7	81.7	83.7	83.7
155°	14.3	20.4	24.5	30.6	36.8	47.0	57.2	63.3	65.4	67.4	67.4
157.5°	10.2	14.3	16.3	22.5	26.6	30.6	38.8	49.0	51.1	51.1	51.1
160°	6.1	8.2	10.2	14.3	16.3	20.4	24.5	30.6	36.8	36.8	36.8
162.5°	4.1	6.1	6.1	8.2	8.2	12.3	14.3	16.3	22.5	24.5	24.5
165°	2.0	4.1	4.1	4.1	4.1	4.1	6.1	6.1	10.2	12.3	12.3
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-LD5-95SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4
2.5°	1932.3	1936.4	1934.4	1934.4	1934.4	1938.5	1934.4	1916.0	1920.1	1924.2	1928.3
5°	1930.3	1932.3	1932.3	1930.3	1930.3	1934.4	1930.3	1911.9	1916.0	1920.1	1922.1
7.5°	1922.1	1924.2	1924.2	1924.2	1922.1	1926.2	1920.1	1903.7	1903.7	1907.8	1909.9
10°	1911.9	1916.0	1914.0	1911.9	1911.9	1911.9	1907.8	1889.4	1889.4	1891.5	1893.5
12.5°	1899.7	1899.7	1899.7	1897.6	1895.6	1895.6	1891.5	1873.1	1871.1	1875.1	1873.1
15°	1883.3	1887.4	1883.3	1881.3	1877.2	1877.2	1871.1	1852.7	1848.6	1850.6	1848.6
17.5°	1869.0	1871.1	1867.0	1862.9	1858.8	1856.8	1850.6	1830.2	1824.1	1826.1	1822.0
20°	1854.7	1854.7	1850.6	1846.5	1840.4	1834.3	1826.1	1805.7	1795.5	1795.5	1787.3
22.5°	1836.3	1836.3	1832.3	1826.1	1820.0	1811.8	1803.7	1783.2	1766.9	1762.8	1756.7
25°	1815.9	1813.9	1811.8	1805.7	1793.4	1785.3	1777.1	1754.6	1736.2	1728.1	1717.9
27.5°	1791.4	1791.4	1785.3	1779.1	1766.9	1756.7	1746.5	1726.0	1701.5	1691.3	1677.0
30°	1764.8	1764.8	1758.7	1750.5	1738.3	1726.0	1713.8	1689.3	1664.8	1650.5	1634.1
32.5°	1738.3	1736.2	1730.1	1721.9	1709.7	1691.3	1681.1	1656.6	1628.0	1611.6	1589.2
35°	1705.6	1703.6	1697.4	1687.2	1670.9	1656.6	1640.2	1617.8	1585.1	1564.7	1540.2
37.5°	1672.9	1670.9	1666.8	1652.5	1636.2	1619.8	1599.4	1576.9	1546.3	1519.7	1495.2
40°	1640.2	1638.2	1630.0	1619.8	1599.4	1579.0	1558.5	1536.1	1503.4	1472.7	1446.2
42.5°	1605.5	1603.5	1593.3	1581.0	1558.5	1538.1	1513.6	1489.1	1456.4	1419.6	1393.1
45°	1570.8	1566.7	1556.5	1542.2	1517.7	1495.2	1470.7	1442.1	1409.4	1374.7	1340.0
47.5°	1534.0	1527.9	1517.7	1497.3	1476.8	1452.3	1423.7	1393.1	1360.4	1321.6	1284.8
50°	1493.2	1489.1	1476.8	1458.4	1433.9	1409.4	1376.7	1346.1	1307.3	1270.5	1225.6
52.5°	1454.4	1446.2	1436.0	1415.6	1391.0	1364.5	1329.8	1293.0	1254.2	1219.5	1172.5
55°	1413.5	1409.4	1395.1	1378.8	1348.1	1317.5	1284.8	1246.0	1203.1	1162.3	1117.3
57.5°	1374.7	1366.5	1354.3	1331.8	1305.2	1274.6	1239.9	1199.0	1152.1	1109.2	1060.1
60°	1335.9	1323.6	1309.3	1288.9	1260.3	1227.6	1190.9	1148.0	1101.0	1054.0	1002.9
62.5°	1293.0	1282.8	1266.4	1246.0	1217.4	1182.7	1143.9	1098.9	1054.0	1005.0	949.8
65°	1250.1	1239.9	1223.5	1203.1	1174.5	1135.7	1094.9	1049.9	998.9	951.9	892.6
67.5°	1207.2	1197.0	1178.6	1156.1	1127.5	1090.8	1047.9	1000.9	949.8	898.8	837.5
70°	1164.3	1152.1	1135.7	1111.2	1082.6	1043.8	1000.9	951.9	900.8	845.7	784.4
72.5°	1121.4	1111.2	1090.8	1068.3	1037.7	998.9	956.0	906.9	853.8	796.6	735.4
75°	1078.5	1066.3	1052.0	1025.4	992.7	956.0	911.0	862.0	804.8	749.7	686.3
77.5°	1035.6	1025.4	1007.0	980.5	949.8	911.0	866.1	817.1	759.9	702.7	635.3
80°	992.7	980.5	966.2	941.7	906.9	868.1	821.1	772.1	714.9	655.7	588.3
82.5°	949.8	937.6	921.2	896.7	864.0	825.2	780.3	727.2	670.0	608.7	545.4
85°	906.9	896.7	878.3	853.8	819.1	780.3	735.4	688.4	627.1	565.8	502.5
87.5°	864.0	853.8	835.4	810.9	778.2	739.4	694.5	645.5	586.2	529.0	459.6
90°	823.2	815.0	796.6	772.1	739.4	700.6	659.8	606.7	549.5	492.3	426.9
92.5°	786.4	778.2	761.9	737.4	708.8	665.9	625.0	574.0	516.8	457.6	394.2
95°	753.7	743.5	727.2	704.7	670.0	633.2	592.4	541.3	486.1	426.9	365.6
97.5°	717.0	706.8	690.4	665.9	637.3	598.5	557.6	508.6	453.5	398.3	337.0
100°	680.2	670.0	651.6	631.2	602.6	563.8	525.0	475.9	424.9	371.8	312.5
102.5°	643.4	633.2	616.9	596.5	567.9	533.1	494.3	447.3	396.3	343.2	288.0
105°	608.7	598.5	582.2	561.7	535.2	500.4	459.6	418.7	369.7	318.7	265.5
107.5°	574.0	563.8	549.5	529.0	502.5	469.8	431.0	388.1	343.2	294.1	243.1
110°	539.3	531.1	514.7	496.4	469.8	437.1	402.4	361.5	316.6	271.7	222.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	506.6	498.4	482.1	461.6	439.2	408.5	373.8	335.0	292.1	249.2	202.2
115°	473.9	463.7	449.4	431.0	408.5	379.9	347.2	312.5	269.6	228.8	185.9
117.5°	441.2	433.0	418.7	400.4	379.9	351.3	320.7	288.0	247.2	208.3	169.5
120°	408.5	402.4	388.1	371.8	351.3	324.8	296.2	263.5	226.7	190.0	153.2
122.5°	377.9	371.8	357.5	343.2	322.7	298.2	271.7	241.0	208.3	173.6	140.9
125°	349.3	341.1	328.9	314.6	296.2	273.7	247.2	218.6	187.9	157.3	126.6
127.5°	318.7	312.5	304.4	288.0	269.6	249.2	224.7	200.2	171.6	143.0	114.4
130°	294.1	286.0	275.8	263.5	247.2	226.7	204.3	179.8	155.2	128.7	100.1
132.5°	265.5	257.4	249.2	236.9	222.6	204.3	183.8	161.4	138.9	114.4	89.9
135°	239.0	232.9	224.7	212.4	198.1	183.8	163.4	143.0	122.6	100.1	79.7
137.5°	214.5	208.3	200.2	192.0	177.7	163.4	145.0	126.6	108.3	87.8	69.4
140°	190.0	185.9	177.7	169.5	157.3	143.0	126.6	110.3	94.0	75.6	59.2
142.5°	165.5	161.4	155.2	147.1	136.9	124.6	110.3	96.0	79.7	65.4	51.1
145°	143.0	140.9	134.8	126.6	118.5	106.2	94.0	81.7	67.4	55.2	40.9
147.5°	120.5	118.5	114.4	108.3	100.1	89.9	79.7	67.4	57.2	44.9	32.7
150°	100.1	98.0	96.0	87.8	83.7	73.5	65.4	55.2	47.0	34.7	26.6
152.5°	81.7	81.7	77.6	71.5	67.4	59.2	53.1	44.9	36.8	28.6	20.4
155°	65.4	63.3	61.3	57.2	53.1	47.0	40.9	34.7	28.6	20.4	14.3
157.5°	51.1	49.0	47.0	42.9	38.8	36.8	30.6	24.5	18.4	14.3	10.2
160°	36.8	34.7	32.7	30.6	28.6	24.5	20.4	16.3	12.3	8.2	6.1
162.5°	24.5	22.5	22.5	20.4	18.4	14.3	12.3	10.2	8.2	6.1	4.1
165°	12.3	12.3	10.2	10.2	8.2	6.1	6.1	6.1	4.1	4.1	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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4	1936.4
2.5°	1926.2	1926.2	1934.4	1932.3	1926.2	1938.5	1952.8
5°	1920.1	1920.1	1926.2	1926.2	1920.1	1932.3	1944.6
7.5°	1909.9	1907.8	1914.0	1914.0	1905.8	1916.0	1930.3
10°	1891.5	1889.4	1895.6	1895.6	1887.4	1897.6	1909.9
12.5°	1871.1	1867.0	1873.1	1871.1	1862.9	1873.1	1885.4
15°	1844.5	1842.5	1846.5	1842.5	1834.3	1844.5	1856.8
17.5°	1818.0	1811.8	1813.9	1813.9	1799.6	1809.8	1820.0
20°	1783.2	1775.1	1777.1	1775.1	1764.8	1771.0	1783.2
22.5°	1748.5	1736.2	1736.2	1734.2	1721.9	1730.1	1740.3
25°	1705.6	1691.3	1691.3	1689.3	1675.0	1681.1	1691.3
27.5°	1662.7	1648.4	1642.3	1640.2	1625.9	1625.9	1640.2
30°	1617.8	1597.3	1593.3	1587.1	1572.8	1572.8	1585.1
32.5°	1574.9	1546.3	1538.1	1529.9	1515.6	1513.6	1527.9
35°	1517.7	1495.2	1480.9	1472.7	1456.4	1452.3	1464.6
37.5°	1470.7	1442.1	1421.7	1411.5	1395.1	1389.0	1405.3
40°	1419.6	1389.0	1362.4	1356.3	1331.8	1323.6	1337.9
42.5°	1362.4	1329.8	1303.2	1291.0	1272.6	1264.4	1266.4
45°	1305.2	1270.5	1241.9	1225.6	1207.2	1192.9	1201.1
47.5°	1246.0	1215.4	1180.6	1156.1	1133.7	1123.5	1127.5
50°	1186.8	1150.0	1117.3	1090.8	1064.2	1052.0	1060.1
52.5°	1127.5	1088.7	1052.0	1023.4	992.7	980.5	982.5
55°	1070.3	1029.5	986.6	956.0	927.4	909.0	904.9
57.5°	1013.2	968.2	923.3	888.5	851.8	835.4	829.3
60°	951.9	904.9	857.9	817.1	778.2	759.9	751.7
62.5°	894.7	843.6	790.5	747.6	708.8	684.3	678.2
65°	839.5	780.3	727.2	678.2	635.3	608.7	600.5
67.5°	780.3	719.0	661.8	608.7	567.9	533.1	529.0
70°	725.1	659.8	596.5	541.3	496.4	461.6	445.3
72.5°	670.0	602.6	537.2	478.0	420.8	388.1	375.8
75°	616.9	547.4	478.0	416.7	353.4	314.6	302.3
77.5°	567.9	496.4	422.8	355.4	296.2	247.2	230.8
80°	520.9	447.3	369.7	300.3	236.9	183.8	165.5
82.5°	471.9	402.4	322.7	249.2	183.8	128.7	106.2
85°	429.0	359.5	279.8	206.3	140.9	81.7	57.2
87.5°	394.2	318.7	247.2	173.6	106.2	47.0	16.3
90°	359.5	286.0	214.5	143.0	79.7	26.6	2.0
92.5°	328.9	259.4	187.9	122.6	61.3	18.4	2.0
95°	300.3	232.9	165.5	102.1	49.0	12.3	2.0
97.5°	273.7	210.4	147.1	87.8	40.9	10.2	2.0
100°	251.2	190.0	130.7	77.6	34.7	8.2	2.0
102.5°	228.8	171.6	116.4	67.4	30.6	6.1	2.0
105°	210.4	155.2	104.2	61.3	26.6	6.1	2.0
107.5°	192.0	140.9	94.0	53.1	22.5	4.1	2.0
110°	173.6	128.7	83.7	47.0	20.4	4.1	2.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	159.3	116.4	75.6	42.9	16.3	4.1	2.0
115°	145.0	104.2	67.4	36.8	14.3	2.0	2.0
117.5°	130.7	94.0	59.2	32.7	12.3	2.0	2.0
120°	118.5	83.7	53.1	28.6	10.2	2.0	2.0
122.5°	106.2	75.6	47.0	24.5	8.2	2.0	2.0
125°	96.0	67.4	40.9	20.4	6.1	2.0	2.0
127.5°	85.8	59.2	36.8	18.4	6.1	2.0	2.0
130°	75.6	53.1	30.6	14.3	4.1	2.0	2.0
132.5°	67.4	44.9	26.6	12.3	4.1	2.0	2.0
135°	59.2	38.8	22.5	8.2	4.1	2.0	2.0
137.5°	51.1	32.7	18.4	6.1	2.0	2.0	2.0
140°	42.9	28.6	14.3	6.1	2.0	2.0	2.0
142.5°	36.8	22.5	10.2	4.1	2.0	2.0	2.0
145°	28.6	18.4	8.2	4.1	2.0	2.0	2.0
147.5°	22.5	14.3	6.1	4.1	2.0	2.0	2.0
150°	16.3	10.2	6.1	2.0	2.0	2.0	2.0
152.5°	12.3	8.2	4.1	2.0	2.0	2.0	2.0
155°	8.2	6.1	4.1	2.0	2.0	2.0	2.0
157.5°	6.1	4.1	2.0	2.0	2.0	2.0	2.0
160°	4.1	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)