

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-LD5-130HL-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-LD5-130HL-LW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

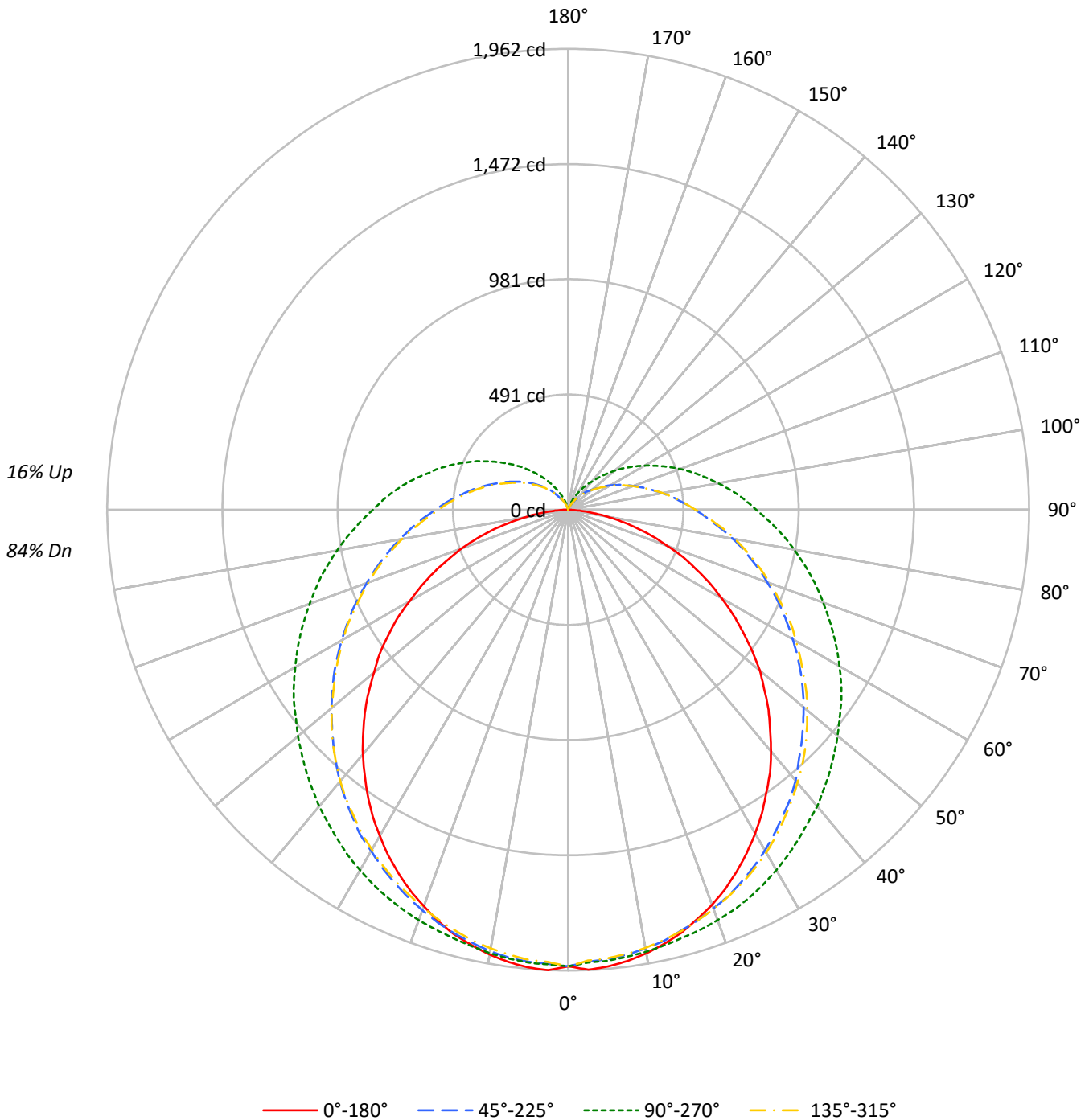
Lumens per Lamp: N/A
Luminaire Lumens: 8446.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 86
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	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°	7855	7855	7855	7855
5°	7907	7570	7924	7602
10°	7845	7355	7870	7378
15°	7765	7171	7799	7178
20°	7654	7036	7681	7036
25°	7515	6917	7560	6909
30°	7358	6794	7415	6794
35°	7174	6680	7254	6688
40°	6993	6613	7078	6613
45°	6784	6543	6888	6552
50°	6568	6502	6656	6519
55°	6259	6508	6457	6536
60°	5937	6527	6131	6567
65°	5577	6593	5824	6659
70°	5063	6714	5459	6810
75°	4477	6933	4900	7067
80°	3550	7259	4033	7427
85°	2258	7780	2824	7996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	2.2
10°-20°	529.3	6.3
20°-30°	811.5	9.6
30°-40°	1001.1	11.9
40°-50°	1086.1	12.9
50°-60°	1070.5	12.7
60°-70°	967.9	11.5
70°-80°	806.3	9.5
80°-90°	624.5	7.4
90°-100°	473.6	5.6
100°-110°	350.5	4.2
110°-120°	243.8	2.9
120°-130°	155.6	1.8
130°-140°	87.3	1.0
140°-150°	39.9	0.5
150°-160°	12.4	0.1
160°-170°	1.6	0.0
170°-180°	0.0	0.0
0°-30°	1524.9	18.1
0°-40°	2526.0	29.9
0°-60°	4682.7	55.4
0°-90°	7081.4	83.8
90°-120°	1068.0	12.6
90°-150°	1350.7	16.0
90°-180°	1365.0	16.2
0°-180°	8446.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1944	1944	1944	1944	1944	
5°	1952	1928	1956	1936	1952	185
15°	1864	1887	1872	1889	1864	525
25°	1698	1823	1708	1821	1698	782
35°	1470	1710	1487	1712	1470	921
45°	1206	1575	1224	1577	1206	929
55°	908	1419	937	1425	908	813
65°	603	1245	630	1257	603	598
75°	304	1066	332	1087	304	321
85°	57	888	72	912	57	69
90°	2	800	4	830	2	3
95°	2	726	2	761	2	2
105°	2	576	2	611	2	2
115°	2	439	2	478	2	2
125°	2	316	2	351	2	2
135°	2	205	2	242	2	2
145°	2	119	2	146	2	1
155°	2	49	2	68	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-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1960.4	1960.4	1958.4	1954.3	1956.3	1962.5	1958.4	1948.1	1942.0	1925.6	1929.7
5°	1952.2	1952.2	1950.2	1946.1	1948.1	1956.3	1952.2	1944.0	1935.8	1921.5	1927.6
7.5°	1937.9	1937.9	1935.8	1931.7	1935.8	1944.0	1939.9	1931.7	1925.6	1911.2	1917.4
10°	1917.4	1919.4	1917.4	1911.2	1919.4	1927.6	1925.6	1915.3	1909.2	1896.9	1903.0
12.5°	1892.8	1894.8	1892.8	1890.7	1894.8	1907.1	1903.0	1894.8	1890.7	1880.5	1886.6
15°	1864.0	1866.1	1862.0	1862.0	1866.1	1878.4	1878.4	1870.2	1866.1	1855.8	1868.1
17.5°	1827.1	1829.2	1827.1	1827.1	1831.2	1843.5	1845.6	1841.5	1837.4	1833.3	1845.6
20°	1790.2	1788.2	1788.2	1786.1	1794.3	1812.8	1810.7	1810.7	1806.6	1806.6	1821.0
22.5°	1747.2	1747.2	1745.1	1745.1	1755.4	1771.8	1771.8	1775.9	1771.8	1780.0	1792.3
25°	1697.9	1700.0	1697.9	1702.0	1710.2	1728.7	1730.8	1736.9	1739.0	1747.2	1761.5
27.5°	1646.7	1648.7	1646.7	1650.8	1665.1	1679.5	1689.7	1697.9	1700.0	1712.3	1730.8
30°	1591.3	1591.3	1593.4	1597.5	1613.9	1636.4	1644.6	1654.9	1654.9	1675.4	1693.8
32.5°	1533.9	1533.9	1533.9	1542.1	1560.5	1587.2	1597.5	1609.8	1613.9	1634.4	1654.9
35°	1470.3	1472.4	1472.4	1478.5	1503.1	1529.8	1544.1	1558.5	1566.7	1591.3	1611.8
37.5°	1410.9	1415.0	1408.8	1417.0	1451.9	1474.4	1490.8	1505.2	1519.5	1552.3	1568.8
40°	1343.2	1347.3	1345.2	1361.6	1390.3	1419.1	1437.5	1451.9	1472.4	1505.2	1523.6
42.5°	1271.4	1275.5	1279.6	1298.1	1328.8	1357.5	1380.1	1398.5	1423.2	1451.9	1482.6
45°	1205.8	1205.8	1211.9	1234.5	1267.3	1298.1	1324.7	1345.2	1373.9	1404.7	1435.5
47.5°	1132.0	1134.0	1142.2	1168.9	1203.7	1240.6	1265.3	1291.9	1322.7	1355.5	1390.3
50°	1064.3	1064.3	1076.6	1105.3	1138.1	1179.1	1205.8	1236.5	1269.4	1308.3	1343.2
52.5°	986.4	990.5	1008.9	1035.6	1078.6	1115.6	1146.3	1179.1	1218.1	1259.1	1298.1
55°	908.4	916.6	931.0	967.9	1013.0	1047.9	1084.8	1125.8	1162.7	1207.8	1253.0
57.5°	832.6	838.7	861.3	898.2	945.4	988.4	1027.4	1066.3	1111.5	1156.6	1203.7
60°	754.6	762.8	789.5	826.4	877.7	922.8	967.9	1008.9	1056.1	1103.3	1152.5
62.5°	680.8	687.0	717.7	760.8	812.1	861.3	906.4	955.6	1006.9	1052.0	1101.2
65°	602.9	613.1	648.0	687.0	746.4	795.7	846.9	900.2	953.6	1002.8	1049.9
67.5°	531.1	537.3	574.2	619.3	678.8	734.1	787.5	844.9	900.2	951.5	998.7
70°	447.0	467.5	504.5	551.6	615.2	672.6	730.0	789.5	849.0	902.3	947.4
72.5°	377.3	393.7	434.7	486.0	547.5	615.2	674.7	738.2	797.7	853.1	900.2
75°	303.5	319.9	367.1	424.5	488.1	559.8	621.3	687.0	748.5	803.9	853.1
77.5°	231.7	252.2	303.5	363.0	432.7	506.5	570.1	635.7	699.3	758.7	808.0
80°	166.1	188.7	244.0	311.7	379.4	453.2	522.9	588.5	652.1	711.6	762.8
82.5°	106.6	131.2	190.7	258.4	330.2	404.0	475.8	541.4	604.9	664.4	717.7
85°	57.4	84.1	145.6	213.3	285.0	358.9	430.6	500.4	561.9	617.2	674.7
87.5°	16.4	49.2	108.7	176.4	250.2	317.9	387.6	457.3	518.8	578.3	629.6
90°	2.1	28.7	82.0	145.6	217.4	283.0	352.7	418.3	479.9	539.3	590.6
92.5°	2.1	18.5	63.6	121.0	186.6	254.3	324.0	387.6	445.0	504.5	555.7
95°	2.1	14.4	51.3	102.5	164.1	227.6	293.2	354.8	414.2	469.6	520.9
97.5°	2.1	10.3	41.0	88.2	143.5	203.0	266.6	328.1	385.5	438.8	486.0
100°	2.1	8.2	32.8	75.9	125.1	182.5	239.9	299.4	354.8	406.0	455.2
102.5°	2.1	6.2	28.7	63.6	110.7	162.0	217.4	272.7	326.1	375.3	424.5
105°	2.1	6.2	24.6	55.4	98.4	145.6	196.9	250.2	299.4	346.6	391.7
107.5°	2.1	4.1	20.5	47.2	86.1	131.2	178.4	229.7	274.8	319.9	363.0
110°	2.1	4.1	16.4	43.1	75.9	116.9	162.0	209.2	252.2	295.3	336.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.1	4.1	14.4	36.9	65.6	104.6	145.6	188.7	229.7	272.7	309.6
115°	2.1	4.1	12.3	32.8	61.5	90.2	131.2	170.2	211.2	250.2	285.0
117.5°	2.1	4.1	10.3	26.7	53.3	82.0	114.8	153.8	190.7	227.6	260.4
120°	2.1	4.1	8.2	24.6	47.2	73.8	102.5	137.4	172.3	207.1	242.0
122.5°	2.1	2.1	8.2	20.5	41.0	65.6	94.3	121.0	153.8	186.6	217.4
125°	2.1	2.1	8.2	18.5	34.9	59.5	84.1	108.7	137.4	166.1	192.8
127.5°	2.1	2.1	6.2	14.4	30.8	51.3	73.8	100.5	121.0	147.6	174.3
130°	2.1	2.1	6.2	12.3	26.7	43.1	65.6	88.2	112.8	131.2	153.8
132.5°	2.1	2.1	6.2	10.3	20.5	34.9	55.4	75.9	98.4	118.9	137.4
135°	2.1	2.1	4.1	8.2	16.4	28.7	45.1	63.6	86.1	106.6	125.1
137.5°	2.1	2.1	4.1	8.2	12.3	24.6	34.9	51.3	71.8	90.2	108.7
140°	2.1	2.1	4.1	6.2	10.3	18.5	28.7	41.0	57.4	73.8	94.3
142.5°	2.1	2.1	2.1	6.2	8.2	14.4	22.6	32.8	45.1	59.5	75.9
145°	2.1	2.1	2.1	6.2	8.2	10.3	18.5	26.7	34.9	45.1	59.5
147.5°	2.1	2.1	2.1	4.1	6.2	8.2	14.4	20.5	26.7	34.9	43.1
150°	2.1	2.1	2.1	4.1	6.2	8.2	10.3	14.4	20.5	28.7	34.9
152.5°	2.1	2.1	2.1	4.1	4.1	6.2	8.2	10.3	14.4	20.5	24.6
155°	2.1	2.1	2.1	2.1	4.1	6.2	8.2	8.2	10.3	14.4	18.5
157.5°	2.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2	8.2	8.2	12.3
160°	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2	6.2	6.2
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	6.2	6.2
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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°	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1929.7	1931.7	1937.9	1937.9	1933.8	1933.8	1931.7	1929.7	1931.7	1935.8	1935.8
5°	1925.6	1927.6	1933.8	1935.8	1931.7	1929.7	1929.7	1927.6	1929.7	1933.8	1933.8
7.5°	1917.4	1919.4	1925.6	1927.6	1923.5	1923.5	1921.5	1919.4	1923.5	1925.6	1925.6
10°	1905.1	1907.1	1915.3	1917.4	1915.3	1913.3	1913.3	1911.2	1913.3	1917.4	1917.4
12.5°	1888.7	1892.8	1903.0	1903.0	1903.0	1901.0	1901.0	1898.9	1901.0	1905.1	1903.0
15°	1870.2	1878.4	1886.6	1890.7	1890.7	1890.7	1888.7	1886.6	1890.7	1892.8	1890.7
17.5°	1849.7	1859.9	1872.2	1876.3	1876.3	1878.4	1876.3	1874.3	1878.4	1878.4	1876.3
20°	1829.2	1839.4	1851.7	1855.8	1859.9	1862.0	1862.0	1859.9	1862.0	1864.0	1862.0
22.5°	1802.5	1814.8	1829.2	1835.3	1839.4	1843.5	1843.5	1843.5	1845.6	1847.6	1843.5
25°	1773.8	1788.2	1804.6	1810.7	1818.9	1821.0	1823.0	1823.0	1825.1	1827.1	1821.0
27.5°	1743.1	1759.5	1775.9	1786.1	1792.3	1796.4	1796.4	1798.4	1800.5	1802.5	1796.4
30°	1706.1	1730.8	1745.1	1753.3	1761.5	1767.7	1769.7	1771.8	1773.8	1775.9	1769.7
32.5°	1673.3	1693.8	1712.3	1722.6	1732.8	1741.0	1743.1	1743.1	1747.2	1747.2	1741.0
35°	1634.4	1659.0	1677.4	1687.7	1700.0	1706.1	1710.2	1710.2	1714.3	1714.3	1708.2
37.5°	1595.4	1620.0	1640.5	1652.8	1667.2	1675.4	1677.4	1677.4	1681.5	1681.5	1673.3
40°	1554.4	1581.1	1603.6	1618.0	1630.3	1640.5	1642.6	1648.7	1648.7	1646.7	1638.5
42.5°	1513.4	1538.0	1562.6	1579.0	1595.4	1605.7	1609.8	1611.8	1611.8	1609.8	1603.6
45°	1468.3	1497.0	1519.5	1540.0	1556.4	1566.7	1572.9	1574.9	1574.9	1570.8	1564.7
47.5°	1425.2	1453.9	1476.5	1499.0	1515.4	1527.7	1533.9	1535.9	1533.9	1531.8	1525.7
50°	1380.1	1412.9	1435.5	1458.0	1474.4	1484.7	1494.9	1497.0	1494.9	1492.9	1480.6
52.5°	1332.9	1367.8	1392.4	1415.0	1433.4	1445.7	1453.9	1456.0	1456.0	1451.9	1443.7
55°	1285.8	1316.5	1347.3	1371.9	1392.4	1404.7	1415.0	1419.1	1415.0	1410.9	1400.6
57.5°	1242.7	1271.4	1302.2	1328.8	1349.3	1365.7	1373.9	1378.0	1373.9	1367.8	1357.5
60°	1191.4	1222.2	1257.1	1281.7	1304.2	1320.6	1324.7	1332.9	1328.8	1322.7	1312.4
62.5°	1142.2	1179.1	1209.9	1240.6	1259.1	1277.6	1285.8	1289.9	1285.8	1279.6	1269.4
65°	1090.9	1132.0	1162.7	1193.5	1214.0	1232.4	1242.7	1244.7	1240.6	1234.5	1224.2
67.5°	1043.8	1082.7	1115.6	1148.4	1166.8	1185.3	1195.5	1199.6	1195.5	1187.3	1177.1
70°	996.6	1035.6	1074.5	1099.2	1121.7	1142.2	1148.4	1154.5	1150.4	1142.2	1129.9
72.5°	949.5	990.5	1029.4	1054.0	1078.6	1097.1	1105.3	1111.5	1107.4	1099.2	1084.8
75°	900.2	943.3	982.3	1008.9	1033.5	1052.0	1060.2	1066.3	1062.2	1054.0	1037.6
77.5°	855.1	898.2	935.1	963.8	988.4	1004.8	1019.2	1021.2	1017.1	1008.9	992.5
80°	808.0	851.0	890.0	918.7	943.3	959.7	970.0	976.1	972.0	963.8	947.4
82.5°	766.9	805.9	844.9	873.6	898.2	918.7	926.9	933.0	931.0	918.7	906.4
85°	721.8	766.9	797.7	828.5	853.1	873.6	879.7	887.9	885.9	875.6	859.2
87.5°	676.7	721.8	758.7	789.5	812.1	828.5	838.7	842.8	840.8	830.5	812.1
90°	639.8	680.8	717.7	750.5	769.0	787.5	797.7	799.8	799.8	787.5	773.1
92.5°	604.9	643.9	680.8	711.6	734.1	750.5	758.7	762.8	760.8	750.5	734.1
95°	566.0	609.0	643.9	674.7	697.2	713.6	721.8	725.9	723.9	713.6	697.2
97.5°	533.2	572.1	607.0	635.7	658.3	674.7	682.9	687.0	687.0	676.7	660.3
100°	500.4	539.3	572.1	600.8	621.3	637.8	646.0	648.0	646.0	637.8	621.3
102.5°	467.5	504.5	537.3	563.9	586.5	600.8	609.0	611.1	611.1	600.8	584.4
105°	434.7	471.7	502.4	531.1	549.6	563.9	570.1	576.2	574.2	566.0	549.6
107.5°	404.0	440.9	469.6	496.3	514.7	529.1	535.2	541.4	539.3	531.1	514.7
110°	375.3	410.1	436.8	463.4	479.9	494.2	504.5	506.5	502.4	494.2	479.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	348.6	379.4	406.0	430.6	449.1	459.3	467.5	471.7	467.5	459.3	449.1
115°	319.9	350.7	377.3	399.9	416.3	428.6	434.7	438.8	434.7	426.5	416.3
117.5°	293.2	322.0	348.6	371.2	385.5	395.8	401.9	406.0	401.9	395.8	385.5
120°	270.7	295.3	319.9	340.4	356.8	365.0	371.2	375.3	373.2	365.0	354.8
122.5°	244.0	270.7	293.2	313.8	328.1	336.3	340.4	344.5	342.5	336.3	326.1
125°	221.5	244.0	266.6	285.0	299.4	307.6	311.7	315.8	313.8	307.6	295.3
127.5°	196.9	221.5	239.9	258.4	268.6	280.9	283.0	287.1	285.0	278.9	268.6
130°	178.4	196.9	215.3	231.7	244.0	252.2	256.3	258.4	254.3	250.2	239.9
132.5°	155.8	176.4	192.8	207.1	215.3	223.5	227.6	229.7	229.7	223.5	215.3
135°	139.4	153.8	168.2	182.5	190.7	198.9	203.0	205.1	203.0	198.9	190.7
137.5°	125.1	137.4	147.6	160.0	170.2	174.3	178.4	178.4	176.4	174.3	168.2
140°	108.7	123.0	133.3	141.5	149.7	151.7	155.8	155.8	153.8	151.7	147.6
142.5°	92.3	104.6	114.8	125.1	131.2	135.3	137.4	139.4	137.4	135.3	129.2
145°	73.8	88.2	98.4	104.6	112.8	114.8	116.9	118.9	116.9	114.8	108.7
147.5°	57.4	69.7	80.0	88.2	94.3	96.4	98.4	100.5	98.4	94.3	92.3
150°	41.0	51.3	63.6	71.8	75.9	80.0	80.0	80.0	82.0	77.9	73.8
152.5°	32.8	36.9	45.1	53.3	59.5	61.5	63.6	63.6	61.5	61.5	57.4
155°	22.6	26.7	32.8	39.0	45.1	47.2	49.2	49.2	47.2	47.2	45.1
157.5°	14.4	18.5	22.6	26.7	32.8	34.9	36.9	36.9	36.9	34.9	32.8
160°	8.2	10.3	12.3	16.4	20.5	22.6	24.6	24.6	24.6	24.6	22.6
162.5°	6.2	6.2	6.2	8.2	10.3	12.3	14.4	14.4	14.4	14.4	12.3
165°	4.1	4.1	4.1	4.1	4.1	6.2	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-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1933.8	1933.8	1935.8	1931.7	1919.4	1921.5	1921.5	1929.7	1933.8	1935.8	1946.1
5°	1929.7	1929.7	1933.8	1927.6	1917.4	1917.4	1917.4	1925.6	1927.6	1931.7	1939.9
7.5°	1923.5	1923.5	1925.6	1919.4	1907.1	1907.1	1905.1	1913.3	1917.4	1919.4	1927.6
10°	1913.3	1913.3	1915.3	1909.2	1894.8	1894.8	1892.8	1898.9	1901.0	1905.1	1911.2
12.5°	1898.9	1898.9	1898.9	1892.8	1878.4	1876.3	1874.3	1880.5	1880.5	1882.5	1888.7
15°	1886.6	1882.5	1882.5	1876.3	1862.0	1857.9	1853.8	1855.8	1859.9	1857.9	1862.0
17.5°	1872.2	1868.1	1864.0	1857.9	1839.4	1833.3	1829.2	1831.2	1829.2	1827.1	1831.2
20°	1855.8	1849.7	1847.6	1837.4	1818.9	1808.7	1800.5	1796.4	1798.4	1792.3	1794.3
22.5°	1837.4	1829.2	1825.1	1812.8	1794.3	1782.0	1771.8	1763.6	1761.5	1753.3	1755.4
25°	1814.8	1804.6	1798.4	1788.2	1767.7	1753.3	1741.0	1728.7	1722.6	1712.3	1710.2
27.5°	1788.2	1777.9	1769.7	1759.5	1739.0	1720.5	1706.1	1689.7	1681.5	1669.2	1663.1
30°	1761.5	1749.2	1736.9	1728.7	1706.1	1685.6	1663.1	1648.7	1636.4	1622.1	1611.8
32.5°	1728.7	1716.4	1704.1	1691.8	1671.3	1646.7	1628.2	1605.7	1591.3	1574.9	1562.6
35°	1695.9	1679.5	1667.2	1650.8	1632.3	1603.6	1581.1	1558.5	1540.0	1521.6	1507.2
37.5°	1659.0	1646.7	1628.2	1613.9	1591.3	1562.6	1538.0	1509.3	1492.9	1468.3	1449.8
40°	1624.1	1609.8	1591.3	1572.9	1550.3	1517.5	1490.8	1458.0	1439.6	1410.9	1392.4
42.5°	1589.3	1568.8	1550.3	1529.8	1505.2	1474.4	1441.6	1408.8	1384.2	1357.5	1330.9
45°	1550.3	1527.7	1505.2	1482.6	1458.0	1427.3	1392.4	1357.5	1326.8	1302.2	1269.4
47.5°	1509.3	1486.7	1460.1	1435.5	1408.8	1378.0	1341.1	1304.2	1271.4	1242.7	1207.8
50°	1468.3	1445.7	1417.0	1390.3	1359.6	1328.8	1289.9	1246.8	1211.9	1175.0	1144.3
52.5°	1425.2	1402.6	1376.0	1341.1	1308.3	1277.6	1236.5	1191.4	1152.5	1121.7	1082.7
55°	1382.1	1359.6	1328.8	1294.0	1261.2	1222.2	1183.2	1138.1	1095.1	1058.1	1019.2
57.5°	1337.0	1316.5	1281.7	1253.0	1211.9	1170.9	1129.9	1086.8	1039.7	996.6	951.5
60°	1291.9	1269.4	1236.5	1201.7	1160.7	1119.7	1076.6	1029.4	980.2	933.0	892.0
62.5°	1250.9	1222.2	1191.4	1154.5	1111.5	1072.5	1023.3	972.0	922.8	873.6	824.4
65°	1203.7	1173.0	1144.3	1107.4	1062.2	1017.1	967.9	916.6	863.3	810.0	760.8
67.5°	1156.6	1125.8	1095.1	1058.1	1011.0	963.8	912.5	861.3	801.8	750.5	693.1
70°	1109.4	1084.8	1045.8	1006.9	963.8	912.5	861.3	805.9	744.4	689.0	629.6
72.5°	1062.2	1037.6	998.7	957.7	916.6	863.3	808.0	752.6	695.2	631.6	568.0
75°	1017.1	986.4	951.5	912.5	869.5	814.1	758.7	701.3	633.7	574.2	508.6
77.5°	974.1	945.4	910.5	867.4	820.3	766.9	709.5	650.1	582.4	518.8	447.0
80°	926.9	898.2	863.3	820.3	773.1	721.8	660.3	598.8	533.2	463.4	389.6
82.5°	881.8	855.1	816.2	777.2	725.9	674.7	613.1	551.6	481.9	414.2	342.5
85°	834.6	808.0	771.0	730.0	680.8	625.4	568.0	506.5	436.8	367.1	295.3
87.5°	793.6	762.8	725.9	684.9	635.7	582.4	527.0	461.4	393.7	326.1	252.2
90°	750.5	721.8	684.9	643.9	594.7	541.4	484.0	422.4	356.8	287.1	217.4
92.5°	713.6	682.9	648.0	607.0	557.8	506.5	449.1	387.6	324.0	256.3	188.7
95°	676.7	646.0	613.1	572.1	522.9	471.7	414.2	354.8	293.2	227.6	164.1
97.5°	635.7	609.0	576.2	537.3	488.1	438.8	383.5	326.1	266.6	203.0	143.5
100°	602.9	572.1	541.4	500.4	455.2	408.1	352.7	297.3	239.9	180.5	125.1
102.5°	566.0	537.3	506.5	467.5	422.4	375.3	324.0	270.7	217.4	162.0	108.7
105°	531.1	504.5	471.7	434.7	391.7	346.6	297.3	248.1	196.9	143.5	96.4
107.5°	496.3	469.6	438.8	404.0	363.0	317.9	272.7	223.5	176.4	129.2	86.1
110°	461.4	436.8	408.1	373.2	334.3	293.2	250.2	205.1	157.9	114.8	75.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	430.6	406.0	377.3	344.5	307.6	268.6	227.6	184.6	141.5	102.5	65.6
115°	399.9	377.3	348.6	319.9	283.0	246.1	207.1	166.1	127.1	92.3	57.4
117.5°	369.1	346.6	319.9	291.2	258.4	223.5	186.6	147.6	114.8	82.0	51.3
120°	338.4	317.9	293.2	266.6	237.9	203.0	166.1	133.3	102.5	71.8	45.1
122.5°	309.6	291.2	268.6	244.0	213.3	180.5	149.7	121.0	92.3	63.6	36.9
125°	283.0	264.5	244.0	219.4	190.7	162.0	135.3	108.7	80.0	55.4	30.8
127.5°	256.3	237.9	217.4	194.8	172.3	145.6	121.0	96.4	71.8	49.2	26.7
130°	229.7	213.3	194.8	176.4	153.8	129.2	108.7	84.1	61.5	39.0	22.6
132.5°	203.0	190.7	174.3	155.8	135.3	116.9	94.3	73.8	53.3	34.9	20.5
135°	180.5	168.2	153.8	137.4	121.0	102.5	82.0	63.6	45.1	28.7	16.4
137.5°	160.0	149.7	135.3	121.0	106.6	88.2	71.8	53.3	36.9	24.6	12.3
140°	141.5	131.2	118.9	104.6	92.3	75.9	59.5	43.1	32.8	20.5	10.3
142.5°	123.0	112.8	102.5	90.2	77.9	63.6	49.2	36.9	26.7	16.4	10.3
145°	104.6	96.4	86.1	75.9	63.6	51.3	41.0	30.8	20.5	12.3	8.2
147.5°	86.1	80.0	69.7	61.5	51.3	41.0	32.8	24.6	16.4	10.3	6.2
150°	69.7	63.6	55.4	47.2	41.0	32.8	26.7	18.5	12.3	10.3	6.2
152.5°	53.3	49.2	43.1	39.0	32.8	24.6	18.5	14.4	10.3	8.2	4.1
155°	43.1	39.0	34.9	28.7	24.6	18.5	14.4	10.3	8.2	6.2	4.1
157.5°	30.8	28.7	24.6	20.5	16.4	12.3	10.3	10.3	6.2	4.1	2.1
160°	20.5	18.5	16.4	12.3	10.3	10.3	8.2	6.2	4.1	4.1	2.1
162.5°	12.3	10.3	10.3	10.3	8.2	8.2	6.2	4.1	4.1	2.1	2.1
165°	8.2	8.2	8.2	6.2	6.2	6.2	4.1	2.1	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1946.1	1939.9	1948.1	1962.5	1964.5	1962.5	1958.4	1964.5	1972.7	1970.7	1956.3
5°	1942.0	1933.8	1942.0	1956.3	1956.3	1954.3	1952.2	1958.4	1966.6	1964.5	1952.2
7.5°	1929.7	1921.5	1929.7	1942.0	1944.0	1939.9	1939.9	1946.1	1954.3	1952.2	1942.0
10°	1913.3	1905.1	1909.2	1923.5	1927.6	1923.5	1923.5	1929.7	1939.9	1937.9	1925.6
12.5°	1888.7	1882.5	1886.6	1898.9	1903.0	1901.0	1898.9	1907.1	1917.4	1917.4	1905.1
15°	1862.0	1853.8	1857.9	1872.2	1874.3	1870.2	1872.2	1878.4	1890.7	1890.7	1880.5
17.5°	1831.2	1821.0	1827.1	1837.4	1839.4	1839.4	1839.4	1847.6	1862.0	1859.9	1851.7
20°	1796.4	1782.0	1786.1	1796.4	1800.5	1800.5	1800.5	1814.8	1825.1	1825.1	1816.9
22.5°	1755.4	1745.1	1745.1	1755.4	1761.5	1759.5	1759.5	1771.8	1786.1	1784.1	1784.1
25°	1708.2	1700.0	1695.9	1708.2	1710.2	1712.3	1716.4	1728.7	1745.1	1745.1	1747.2
27.5°	1659.0	1650.8	1648.7	1659.0	1661.0	1663.1	1667.2	1681.5	1697.9	1700.0	1704.1
30°	1611.8	1599.5	1595.4	1603.6	1607.7	1609.8	1609.8	1632.3	1646.7	1652.8	1661.0
32.5°	1556.4	1544.1	1533.9	1548.2	1550.3	1554.4	1556.4	1579.0	1595.4	1605.7	1618.0
35°	1501.1	1480.6	1476.5	1486.7	1490.8	1492.9	1497.0	1521.6	1544.1	1552.3	1568.8
37.5°	1439.6	1425.2	1412.9	1423.2	1427.3	1429.3	1441.6	1464.2	1486.7	1499.0	1515.4
40°	1382.1	1363.7	1353.4	1359.6	1363.7	1365.7	1380.1	1404.7	1431.4	1445.7	1466.2
42.5°	1318.6	1294.0	1285.8	1291.9	1294.0	1300.1	1312.4	1345.2	1371.9	1392.4	1408.8
45°	1255.0	1236.5	1218.1	1224.2	1226.3	1230.4	1248.8	1283.7	1312.4	1337.0	1355.5
47.5°	1189.4	1166.8	1148.4	1152.5	1160.7	1162.7	1183.2	1224.2	1250.9	1277.6	1302.2
50°	1123.8	1093.0	1078.6	1078.6	1082.7	1093.0	1119.7	1160.7	1189.4	1220.1	1246.8
52.5°	1056.1	1027.4	1011.0	1013.0	1017.1	1029.4	1054.0	1095.1	1127.9	1160.7	1193.5
55°	988.4	957.7	941.3	937.1	941.3	957.7	986.4	1029.4	1062.2	1101.2	1136.1
57.5°	920.7	883.8	869.5	863.3	867.4	887.9	916.6	961.8	1002.8	1039.7	1080.7
60°	846.9	818.2	793.6	779.2	789.5	816.2	846.9	894.1	937.1	978.2	1023.3
62.5°	783.4	746.4	719.8	705.4	715.7	738.2	781.3	826.4	873.6	920.7	965.9
65°	711.6	674.7	643.9	629.6	639.8	666.5	709.5	758.7	810.0	857.2	910.5
67.5°	641.9	602.9	566.0	551.6	563.9	592.6	639.8	695.2	750.5	799.8	857.2
70°	574.2	531.1	492.2	481.9	490.1	529.1	574.2	629.6	687.0	744.4	803.9
72.5°	512.7	459.3	418.3	406.0	416.3	459.3	510.6	568.0	629.6	691.1	754.6
75°	440.9	391.7	346.6	332.2	344.5	383.5	447.0	508.6	574.2	639.8	699.3
77.5°	383.5	326.1	278.9	256.3	276.8	326.1	387.6	453.2	520.9	588.5	656.2
80°	324.0	264.5	213.3	188.7	211.2	264.5	326.1	397.8	473.7	541.4	602.9
82.5°	270.7	207.1	153.8	127.1	151.7	211.2	278.9	350.7	424.5	492.2	563.9
85°	221.5	155.8	100.5	71.8	106.6	160.0	231.7	305.5	381.4	451.1	520.9
87.5°	180.5	116.9	61.5	30.8	65.6	125.1	192.8	266.6	342.5	412.2	477.8
90°	147.6	84.1	32.8	4.1	39.0	94.3	160.0	231.7	303.5	375.3	440.9
92.5°	121.0	63.6	18.5	2.1	24.6	75.9	137.4	205.1	274.8	344.5	408.1
95°	100.5	49.2	12.3	2.1	18.5	59.5	116.9	182.5	248.1	315.8	379.4
97.5°	86.1	41.0	10.3	2.1	14.4	51.3	100.5	162.0	225.6	289.1	350.7
100°	73.8	32.8	8.2	2.1	12.3	43.1	88.2	143.5	203.0	264.5	324.0
102.5°	63.6	26.7	6.2	2.1	10.3	36.9	77.9	129.2	182.5	242.0	299.4
105°	55.4	22.6	6.2	2.1	8.2	32.8	69.7	114.8	168.2	221.5	276.8
107.5°	47.2	18.5	4.1	2.1	6.2	26.7	61.5	104.6	151.7	203.0	254.3
110°	41.0	16.4	4.1	2.1	6.2	24.6	53.3	94.3	137.4	184.6	233.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	34.9	12.3	4.1	2.1	4.1	20.5	47.2	84.1	125.1	168.2	215.3
115°	30.8	10.3	2.1	2.1	4.1	18.5	43.1	75.9	112.8	153.8	196.9
117.5°	24.6	8.2	2.1	2.1	2.1	14.4	36.9	67.7	102.5	141.5	180.5
120°	20.5	8.2	2.1	2.1	2.1	12.3	32.8	59.5	92.3	127.1	164.1
122.5°	18.5	6.2	2.1	2.1	2.1	10.3	28.7	53.3	82.0	114.8	149.7
125°	16.4	6.2	2.1	2.1	2.1	8.2	24.6	47.2	73.8	102.5	135.3
127.5°	12.3	6.2	2.1	2.1	2.1	6.2	22.6	41.0	65.6	92.3	121.0
130°	10.3	4.1	2.1	2.1	2.1	6.2	18.5	36.9	57.4	82.0	108.7
132.5°	8.2	4.1	2.1	2.1	2.1	4.1	14.4	28.7	49.2	71.8	96.4
135°	8.2	4.1	2.1	2.1	2.1	4.1	10.3	24.6	41.0	61.5	82.0
137.5°	8.2	2.1	2.1	2.1	2.1	4.1	8.2	18.5	32.8	49.2	67.7
140°	6.2	2.1	2.1	2.1	2.1	2.1	6.2	14.4	26.7	41.0	57.4
142.5°	6.2	2.1	2.1	2.1	2.1	2.1	6.2	10.3	20.5	32.8	45.1
145°	4.1	2.1	2.1	2.1	2.1	2.1	4.1	8.2	16.4	24.6	36.9
147.5°	4.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	12.3	20.5	28.7
150°	4.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	8.2	14.4	22.6
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	10.3	14.4
155°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	8.2	10.3
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	8.2
160°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1950.2	1935.8	1939.9	1937.9	1942.0	1948.1	1948.1	1946.1	1946.1	1942.0	1937.9
5°	1946.1	1931.7	1937.9	1935.8	1939.9	1946.1	1946.1	1944.0	1944.0	1937.9	1935.8
7.5°	1933.8	1923.5	1927.6	1927.6	1931.7	1937.9	1937.9	1935.8	1935.8	1929.7	1927.6
10°	1921.5	1909.2	1915.3	1915.3	1919.4	1927.6	1927.6	1925.6	1925.6	1919.4	1917.4
12.5°	1901.0	1888.7	1898.9	1901.0	1905.1	1913.3	1911.2	1911.2	1911.2	1905.1	1903.0
15°	1876.3	1868.1	1878.4	1880.5	1886.6	1896.9	1896.9	1896.9	1896.9	1890.7	1888.7
17.5°	1849.7	1843.5	1853.8	1857.9	1866.1	1876.3	1876.3	1878.4	1880.5	1876.3	1874.3
20°	1818.9	1814.8	1825.1	1833.3	1845.6	1855.8	1859.9	1862.0	1866.1	1862.0	1859.9
22.5°	1784.1	1784.1	1798.4	1806.6	1821.0	1831.2	1837.4	1843.5	1847.6	1843.5	1841.5
25°	1745.1	1751.3	1765.6	1780.0	1796.4	1806.6	1812.8	1821.0	1825.1	1823.0	1821.0
27.5°	1708.2	1716.4	1734.9	1749.2	1763.6	1780.0	1786.1	1796.4	1800.5	1800.5	1798.4
30°	1665.1	1677.4	1697.9	1714.3	1732.8	1749.2	1757.4	1767.7	1773.8	1769.7	1771.8
32.5°	1624.1	1644.6	1661.0	1679.5	1700.0	1716.4	1726.7	1739.0	1745.1	1743.1	1745.1
35°	1579.0	1599.5	1622.1	1640.5	1665.1	1681.5	1695.9	1706.1	1714.3	1712.3	1712.3
37.5°	1529.8	1556.4	1579.0	1603.6	1626.2	1644.6	1659.0	1671.3	1679.5	1679.5	1679.5
40°	1482.6	1511.3	1533.9	1562.6	1591.3	1607.7	1624.1	1636.4	1644.6	1646.7	1648.7
42.5°	1431.4	1462.1	1488.8	1519.5	1548.2	1568.8	1587.2	1601.6	1609.8	1613.9	1611.8
45°	1384.2	1412.9	1443.7	1478.5	1505.2	1525.7	1548.2	1564.7	1572.9	1574.9	1577.0
47.5°	1330.9	1363.7	1398.5	1433.4	1460.1	1486.7	1507.2	1523.6	1531.8	1538.0	1538.0
50°	1279.6	1314.5	1353.4	1390.3	1419.1	1445.7	1466.2	1484.7	1494.9	1499.0	1501.1
52.5°	1232.4	1265.3	1306.3	1343.2	1371.9	1398.5	1425.2	1445.7	1456.0	1460.1	1460.1
55°	1175.0	1216.0	1261.2	1296.0	1326.8	1357.5	1384.2	1404.7	1415.0	1421.1	1425.2
57.5°	1121.7	1164.8	1211.9	1248.8	1285.8	1314.5	1339.1	1365.7	1373.9	1382.1	1384.2
60°	1070.4	1113.5	1158.6	1199.6	1236.5	1267.3	1296.0	1318.6	1332.9	1337.0	1341.1
62.5°	1017.1	1062.2	1109.4	1150.4	1189.4	1226.3	1253.0	1273.5	1289.9	1296.0	1300.1
65°	965.9	1013.0	1060.2	1103.3	1144.3	1181.2	1207.8	1228.3	1244.7	1255.0	1257.1
67.5°	910.5	961.8	1011.0	1056.1	1097.1	1136.1	1162.7	1183.2	1199.6	1211.9	1214.0
70°	859.2	912.5	961.8	1011.0	1052.0	1090.9	1119.7	1140.2	1158.6	1166.8	1170.9
72.5°	810.0	865.4	916.6	965.9	1006.9	1045.8	1076.6	1097.1	1115.6	1125.8	1127.9
75°	762.8	818.2	873.6	920.7	963.8	1002.8	1033.5	1056.1	1072.5	1082.7	1086.8
77.5°	715.7	773.1	828.5	875.6	920.7	959.7	986.4	1013.0	1029.4	1041.7	1041.7
80°	668.5	728.0	785.4	832.6	877.7	912.5	943.3	970.0	986.4	998.7	998.7
82.5°	627.5	684.9	740.3	787.5	832.6	871.5	902.3	926.9	945.4	953.6	955.6
85°	580.3	643.9	695.2	746.4	789.5	826.4	857.2	883.8	900.2	908.4	912.5
87.5°	541.4	602.9	658.3	703.4	746.4	783.4	818.2	840.8	857.2	867.4	871.5
90°	504.5	563.9	619.3	664.4	709.5	744.4	777.2	799.8	818.2	826.4	830.5
92.5°	471.7	531.1	584.4	629.6	672.6	711.6	742.3	764.9	781.3	789.5	795.7
95°	440.9	498.3	549.6	598.8	639.8	674.7	707.5	730.0	748.5	754.6	760.8
97.5°	410.1	465.5	516.8	563.9	607.0	639.8	670.6	693.1	707.5	717.7	723.9
100°	383.5	436.8	486.0	531.1	572.1	602.9	635.7	656.2	670.6	678.8	687.0
102.5°	354.8	408.1	455.2	498.3	541.4	570.1	600.8	621.3	633.7	648.0	648.0
105°	330.2	379.4	426.5	467.5	504.5	539.3	566.0	586.5	600.8	611.1	611.1
107.5°	303.5	352.7	397.8	440.9	475.8	508.6	533.2	551.6	568.0	574.2	580.3
110°	283.0	326.1	371.2	412.2	445.0	475.8	500.4	520.9	535.2	541.4	545.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	258.4	303.5	344.5	383.5	416.3	445.0	469.6	486.0	500.4	508.6	510.6
115°	237.9	280.9	317.9	354.8	389.6	414.2	436.8	453.2	467.5	473.7	477.8
117.5°	219.4	258.4	295.3	326.1	358.9	385.5	408.1	422.4	434.7	442.9	447.0
120°	201.0	237.9	270.7	301.4	332.2	356.8	377.3	391.7	406.0	412.2	412.2
122.5°	182.5	217.4	248.1	276.8	305.5	328.1	350.7	363.0	375.3	381.4	381.4
125°	166.1	198.9	227.6	254.3	280.9	301.4	319.9	334.3	346.6	350.7	350.7
127.5°	149.7	180.5	207.1	231.7	254.3	274.8	293.2	307.6	317.9	322.0	322.0
130°	135.3	162.0	186.6	211.2	233.8	250.2	268.6	280.9	287.1	293.2	295.3
132.5°	121.0	145.6	168.2	188.7	211.2	227.6	242.0	254.3	260.4	266.6	268.6
135°	106.6	129.2	149.7	170.2	188.7	205.1	217.4	227.6	235.8	239.9	242.0
137.5°	90.2	114.8	133.3	149.7	170.2	182.5	196.9	203.0	211.2	215.3	215.3
140°	75.9	94.3	114.8	131.2	147.6	160.0	172.3	182.5	188.7	190.7	190.7
142.5°	61.5	77.9	94.3	114.8	129.2	139.4	151.7	160.0	164.1	166.1	168.2
145°	49.2	61.5	75.9	94.3	110.7	123.0	129.2	137.4	141.5	143.5	145.6
147.5°	36.9	49.2	61.5	73.8	90.2	102.5	108.7	116.9	121.0	123.0	123.0
150°	28.7	36.9	45.1	57.4	69.7	84.1	92.3	98.4	100.5	102.5	102.5
152.5°	20.5	28.7	34.9	43.1	51.3	63.6	75.9	80.0	82.0	84.1	84.1
155°	14.4	20.5	24.6	30.8	36.9	47.2	57.4	63.6	65.6	67.7	67.7
157.5°	10.3	14.4	16.4	22.6	26.7	30.8	39.0	49.2	51.3	51.3	51.3
160°	6.2	8.2	10.3	14.4	16.4	20.5	24.6	30.8	36.9	36.9	36.9
162.5°	4.1	6.2	6.2	8.2	8.2	12.3	14.4	16.4	22.6	24.6	24.6
165°	2.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	10.3	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-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1939.9	1944.0	1942.0	1942.0	1942.0	1946.1	1942.0	1923.5	1927.6	1931.7	1935.8
5°	1937.9	1939.9	1939.9	1937.9	1937.9	1942.0	1937.9	1919.4	1923.5	1927.6	1929.7
7.5°	1929.7	1931.7	1931.7	1931.7	1929.7	1933.8	1927.6	1911.2	1911.2	1915.3	1917.4
10°	1919.4	1923.5	1921.5	1919.4	1919.4	1919.4	1915.3	1896.9	1896.9	1898.9	1901.0
12.5°	1907.1	1907.1	1907.1	1905.1	1903.0	1903.0	1898.9	1880.5	1878.4	1882.5	1880.5
15°	1890.7	1894.8	1890.7	1888.7	1884.6	1884.6	1878.4	1859.9	1855.8	1857.9	1855.8
17.5°	1876.3	1878.4	1874.3	1870.2	1866.1	1864.0	1857.9	1837.4	1831.2	1833.3	1829.2
20°	1862.0	1862.0	1857.9	1853.8	1847.6	1841.5	1833.3	1812.8	1802.5	1802.5	1794.3
22.5°	1843.5	1843.5	1839.4	1833.3	1827.1	1818.9	1810.7	1790.2	1773.8	1769.7	1763.6
25°	1823.0	1821.0	1818.9	1812.8	1800.5	1792.3	1784.1	1761.5	1743.1	1734.9	1724.6
27.5°	1798.4	1798.4	1792.3	1786.1	1773.8	1763.6	1753.3	1732.8	1708.2	1697.9	1683.6
30°	1771.8	1771.8	1765.6	1757.4	1745.1	1732.8	1720.5	1695.9	1671.3	1656.9	1640.5
32.5°	1745.1	1743.1	1736.9	1728.7	1716.4	1697.9	1687.7	1663.1	1634.4	1618.0	1595.4
35°	1712.3	1710.2	1704.1	1693.8	1677.4	1663.1	1646.7	1624.1	1591.3	1570.8	1546.2
37.5°	1679.5	1677.4	1673.3	1659.0	1642.6	1626.2	1605.7	1583.1	1552.3	1525.7	1501.1
40°	1646.7	1644.6	1636.4	1626.2	1605.7	1585.2	1564.7	1542.1	1509.3	1478.5	1451.9
42.5°	1611.8	1609.8	1599.5	1587.2	1564.7	1544.1	1519.5	1494.9	1462.1	1425.2	1398.5
45°	1577.0	1572.9	1562.6	1548.2	1523.6	1501.1	1476.5	1447.8	1415.0	1380.1	1345.2
47.5°	1540.0	1533.9	1523.6	1503.1	1482.6	1458.0	1429.3	1398.5	1365.7	1326.8	1289.9
50°	1499.0	1494.9	1482.6	1464.2	1439.6	1415.0	1382.1	1351.4	1312.4	1275.5	1230.4
52.5°	1460.1	1451.9	1441.6	1421.1	1396.5	1369.8	1335.0	1298.1	1259.1	1224.2	1177.1
55°	1419.1	1415.0	1400.6	1384.2	1353.4	1322.7	1289.9	1250.9	1207.8	1166.8	1121.7
57.5°	1380.1	1371.9	1359.6	1337.0	1310.4	1279.6	1244.7	1203.7	1156.6	1113.5	1064.3
60°	1341.1	1328.8	1314.5	1294.0	1265.3	1232.4	1195.5	1152.5	1105.3	1058.1	1006.9
62.5°	1298.1	1287.8	1271.4	1250.9	1222.2	1187.3	1148.4	1103.3	1058.1	1008.9	953.6
65°	1255.0	1244.7	1228.3	1207.8	1179.1	1140.2	1099.2	1054.0	1002.8	955.6	896.1
67.5°	1211.9	1201.7	1183.2	1160.7	1132.0	1095.1	1052.0	1004.8	953.6	902.3	840.8
70°	1168.9	1156.6	1140.2	1115.6	1086.8	1047.9	1004.8	955.6	904.3	849.0	787.5
72.5°	1125.8	1115.6	1095.1	1072.5	1041.7	1002.8	959.7	910.5	857.2	799.8	738.2
75°	1082.7	1070.4	1056.1	1029.4	996.6	959.7	914.6	865.4	808.0	752.6	689.0
77.5°	1039.7	1029.4	1011.0	984.3	953.6	914.6	869.5	820.3	762.8	705.4	637.8
80°	996.6	984.3	970.0	945.4	910.5	871.5	824.4	775.1	717.7	658.3	590.6
82.5°	953.6	941.3	924.8	900.2	867.4	828.5	783.4	730.0	672.6	611.1	547.5
85°	910.5	900.2	881.8	857.2	822.3	783.4	738.2	691.1	629.6	568.0	504.5
87.5°	867.4	857.2	838.7	814.1	781.3	742.3	697.2	648.0	588.5	531.1	461.4
90°	826.4	818.2	799.8	775.1	742.3	703.4	662.4	609.0	551.6	494.2	428.6
92.5°	789.5	781.3	764.9	740.3	711.6	668.5	627.5	576.2	518.8	459.3	395.8
95°	756.7	746.4	730.0	707.5	672.6	635.7	594.7	543.4	488.1	428.6	367.1
97.5°	719.8	709.5	693.1	668.5	639.8	600.8	559.8	510.6	455.2	399.9	338.4
100°	682.9	672.6	654.2	633.7	604.9	566.0	527.0	477.8	426.5	373.2	313.8
102.5°	646.0	635.7	619.3	598.8	570.1	535.2	496.3	449.1	397.8	344.5	289.1
105°	611.1	600.8	584.4	563.9	537.3	502.4	461.4	420.4	371.2	319.9	266.6
107.5°	576.2	566.0	551.6	531.1	504.5	471.7	432.7	389.6	344.5	295.3	244.0
110°	541.4	533.2	516.8	498.3	471.7	438.8	404.0	363.0	317.9	272.7	223.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	508.6	500.4	484.0	463.4	440.9	410.1	375.3	336.3	293.2	250.2	203.0
115°	475.8	465.5	451.1	432.7	410.1	381.4	348.6	313.8	270.7	229.7	186.6
117.5°	442.9	434.7	420.4	401.9	381.4	352.7	322.0	289.1	248.1	209.2	170.2
120°	410.1	404.0	389.6	373.2	352.7	326.1	297.3	264.5	227.6	190.7	153.8
122.5°	379.4	373.2	358.9	344.5	324.0	299.4	272.7	242.0	209.2	174.3	141.5
125°	350.7	342.5	330.2	315.8	297.3	274.8	248.1	219.4	188.7	157.9	127.1
127.5°	319.9	313.8	305.5	289.1	270.7	250.2	225.6	201.0	172.3	143.5	114.8
130°	295.3	287.1	276.8	264.5	248.1	227.6	205.1	180.5	155.8	129.2	100.5
132.5°	266.6	258.4	250.2	237.9	223.5	205.1	184.6	162.0	139.4	114.8	90.2
135°	239.9	233.8	225.6	213.3	198.9	184.6	164.1	143.5	123.0	100.5	80.0
137.5°	215.3	209.2	201.0	192.8	178.4	164.1	145.6	127.1	108.7	88.2	69.7
140°	190.7	186.6	178.4	170.2	157.9	143.5	127.1	110.7	94.3	75.9	59.5
142.5°	166.1	162.0	155.8	147.6	137.4	125.1	110.7	96.4	80.0	65.6	51.3
145°	143.5	141.5	135.3	127.1	118.9	106.6	94.3	82.0	67.7	55.4	41.0
147.5°	121.0	118.9	114.8	108.7	100.5	90.2	80.0	67.7	57.4	45.1	32.8
150°	100.5	98.4	96.4	88.2	84.1	73.8	65.6	55.4	47.2	34.9	26.7
152.5°	82.0	82.0	77.9	71.8	67.7	59.5	53.3	45.1	36.9	28.7	20.5
155°	65.6	63.6	61.5	57.4	53.3	47.2	41.0	34.9	28.7	20.5	14.4
157.5°	51.3	49.2	47.2	43.1	39.0	36.9	30.8	24.6	18.5	14.4	10.3
160°	36.9	34.9	32.8	30.8	28.7	24.6	20.5	16.4	12.3	8.2	6.2
162.5°	24.6	22.6	22.6	20.5	18.5	14.4	12.3	10.3	8.2	6.2	4.1
165°	12.3	12.3	10.3	10.3	8.2	6.2	6.2	6.2	4.1	4.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1933.8	1933.8	1942.0	1939.9	1933.8	1946.1	1960.4
5°	1927.6	1927.6	1933.8	1933.8	1927.6	1939.9	1952.2
7.5°	1917.4	1915.3	1921.5	1921.5	1913.3	1923.5	1937.9
10°	1898.9	1896.9	1903.0	1903.0	1894.8	1905.1	1917.4
12.5°	1878.4	1874.3	1880.5	1878.4	1870.2	1880.5	1892.8
15°	1851.7	1849.7	1853.8	1849.7	1841.5	1851.7	1864.0
17.5°	1825.1	1818.9	1821.0	1821.0	1806.6	1816.9	1827.1
20°	1790.2	1782.0	1784.1	1782.0	1771.8	1777.9	1790.2
22.5°	1755.4	1743.1	1743.1	1741.0	1728.7	1736.9	1747.2
25°	1712.3	1697.9	1697.9	1695.9	1681.5	1687.7	1697.9
27.5°	1669.2	1654.9	1648.7	1646.7	1632.3	1632.3	1646.7
30°	1624.1	1603.6	1599.5	1593.4	1579.0	1579.0	1591.3
32.5°	1581.1	1552.3	1544.1	1535.9	1521.6	1519.5	1533.9
35°	1523.6	1501.1	1486.7	1478.5	1462.1	1458.0	1470.3
37.5°	1476.5	1447.8	1427.3	1417.0	1400.6	1394.4	1410.9
40°	1425.2	1394.4	1367.8	1361.6	1337.0	1328.8	1343.2
42.5°	1367.8	1335.0	1308.3	1296.0	1277.6	1269.4	1271.4
45°	1310.4	1275.5	1246.8	1230.4	1211.9	1197.6	1205.8
47.5°	1250.9	1220.1	1185.3	1160.7	1138.1	1127.9	1132.0
50°	1191.4	1154.5	1121.7	1095.1	1068.4	1056.1	1064.3
52.5°	1132.0	1093.0	1056.1	1027.4	996.6	984.3	986.4
55°	1074.5	1033.5	990.5	959.7	931.0	912.5	908.4
57.5°	1017.1	972.0	926.9	892.0	855.1	838.7	832.6
60°	955.6	908.4	861.3	820.3	781.3	762.8	754.6
62.5°	898.2	846.9	793.6	750.5	711.6	687.0	680.8
65°	842.8	783.4	730.0	680.8	637.8	611.1	602.9
67.5°	783.4	721.8	664.4	611.1	570.1	535.2	531.1
70°	728.0	662.4	598.8	543.4	498.3	463.4	447.0
72.5°	672.6	604.9	539.3	479.9	422.4	389.6	377.3
75°	619.3	549.6	479.9	418.3	354.8	315.8	303.5
77.5°	570.1	498.3	424.5	356.8	297.3	248.1	231.7
80°	522.9	449.1	371.2	301.4	237.9	184.6	166.1
82.5°	473.7	404.0	324.0	250.2	184.6	129.2	106.6
85°	430.6	360.9	280.9	207.1	141.5	82.0	57.4
87.5°	395.8	319.9	248.1	174.3	106.6	47.2	16.4
90°	360.9	287.1	215.3	143.5	80.0	26.7	2.1
92.5°	330.2	260.4	188.7	123.0	61.5	18.5	2.1
95°	301.4	233.8	166.1	102.5	49.2	12.3	2.1
97.5°	274.8	211.2	147.6	88.2	41.0	10.3	2.1
100°	252.2	190.7	131.2	77.9	34.9	8.2	2.1
102.5°	229.7	172.3	116.9	67.7	30.8	6.2	2.1
105°	211.2	155.8	104.6	61.5	26.7	6.2	2.1
107.5°	192.8	141.5	94.3	53.3	22.6	4.1	2.1
110°	174.3	129.2	84.1	47.2	20.5	4.1	2.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	160.0	116.9	75.9	43.1	16.4	4.1	2.1
115°	145.6	104.6	67.7	36.9	14.4	2.1	2.1
117.5°	131.2	94.3	59.5	32.8	12.3	2.1	2.1
120°	118.9	84.1	53.3	28.7	10.3	2.1	2.1
122.5°	106.6	75.9	47.2	24.6	8.2	2.1	2.1
125°	96.4	67.7	41.0	20.5	6.2	2.1	2.1
127.5°	86.1	59.5	36.9	18.5	6.2	2.1	2.1
130°	75.9	53.3	30.8	14.4	4.1	2.1	2.1
132.5°	67.7	45.1	26.7	12.3	4.1	2.1	2.1
135°	59.5	39.0	22.6	8.2	4.1	2.1	2.1
137.5°	51.3	32.8	18.5	6.2	2.1	2.1	2.1
140°	43.1	28.7	14.4	6.2	2.1	2.1	2.1
142.5°	36.9	22.6	10.3	4.1	2.1	2.1	2.1
145°	28.7	18.5	8.2	4.1	2.1	2.1	2.1
147.5°	22.6	14.4	6.2	4.1	2.1	2.1	2.1
150°	16.4	10.3	6.2	2.1	2.1	2.1	2.1
152.5°	12.3	8.2	4.1	2.1	2.1	2.1	2.1
155°	8.2	6.2	4.1	2.1	2.1	2.1	2.1
157.5°	6.2	4.1	2.1	2.1	2.1	2.1	2.1
160°	4.1	2.1	2.1	2.1	2.1	2.1	2.1
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)