

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-L930-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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

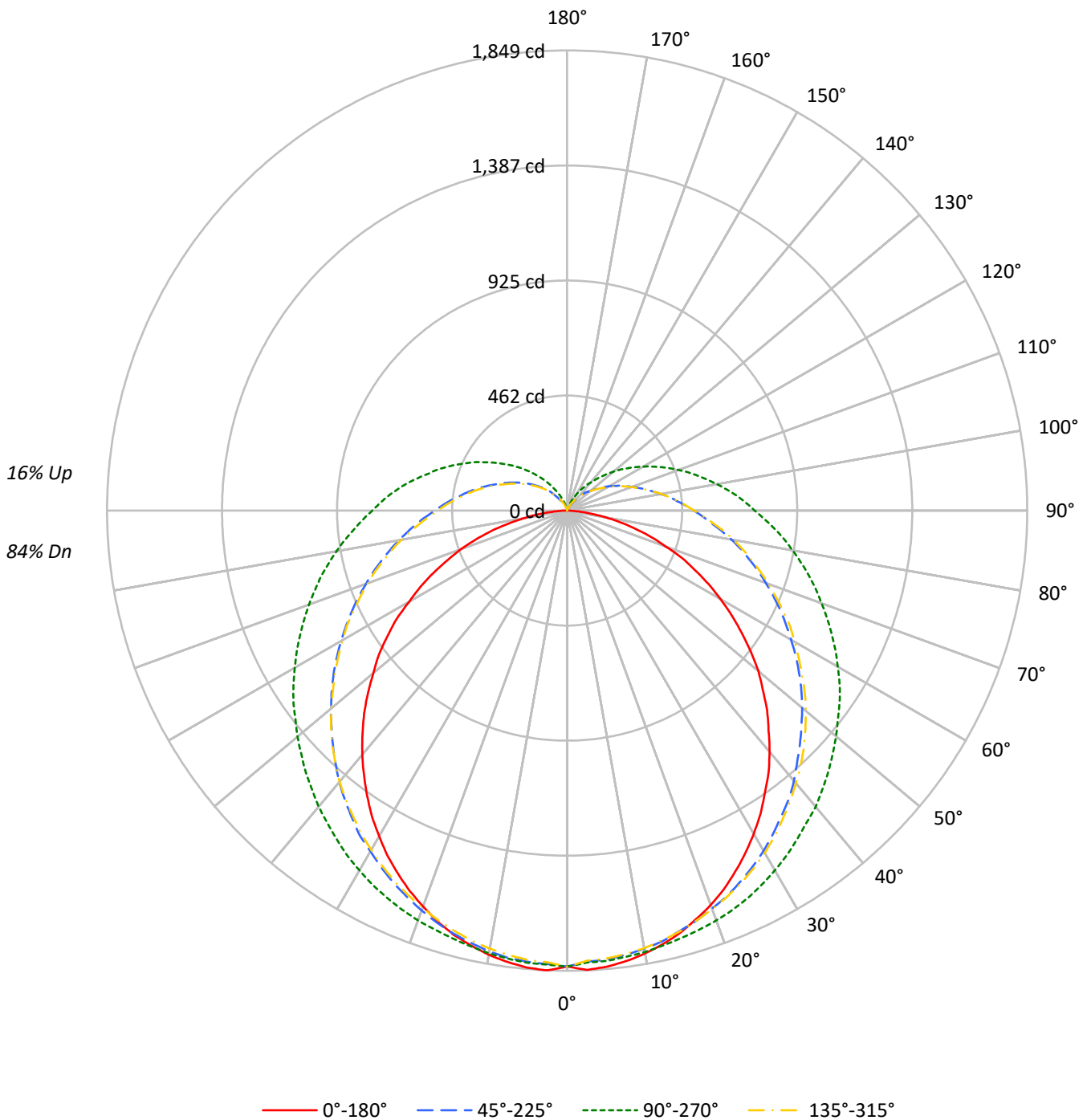
Lumens per Lamp: N/A
Luminaire Lumens: 7958.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	7401	7401	7401	7401
5°	7450	7132	7466	7163
10°	7392	6930	7416	6952
15°	7316	6756	7349	6763
20°	7212	6630	7237	6630
25°	7081	6517	7124	6510
30°	6933	6401	6987	6401
35°	6760	6294	6835	6302
40°	6589	6231	6669	6231
45°	6392	6165	6490	6173
50°	6188	6126	6272	6142
55°	5898	6132	6084	6158
60°	5594	6150	5777	6188
65°	5255	6212	5488	6274
70°	4771	6326	5144	6416
75°	4219	6533	4617	6659
80°	3345	6840	3800	6998
85°	2128	7331	2659	7534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	2.2
10°-20°	498.7	6.3
20°-30°	764.6	9.6
30°-40°	943.3	11.9
40°-50°	1023.4	12.9
50°-60°	1008.7	12.7
60°-70°	912.0	11.5
70°-80°	759.7	9.5
80°-90°	588.4	7.4
90°-100°	446.3	5.6
100°-110°	330.3	4.1
110°-120°	229.7	2.9
120°-130°	146.6	1.8
130°-140°	82.2	1.0
140°-150°	37.6	0.5
150°-160°	11.6	0.1
160°-170°	1.5	0.0
170°-180°	0.0	0.0
0°-30°	1436.8	18.1
0°-40°	2380.1	29.9
0°-60°	4412.1	55.4
0°-90°	6672.3	83.8
90°-120°	1006.3	12.6
90°-150°	1272.6	16.0
90°-180°	1286.0	16.2
0°-180°	7958.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1832	1832	1832	1832	1832	
5°	1839	1816	1843	1824	1839	174
15°	1756	1778	1764	1780	1756	495
25°	1600	1718	1610	1716	1600	737
35°	1385	1611	1401	1613	1385	868
45°	1136	1484	1154	1486	1136	875
55°	856	1337	883	1343	856	766
65°	568	1173	593	1184	568	563
75°	286	1005	313	1024	286	303
85°	54	837	68	860	54	65
90°	2	754	4	782	2	3
95°	2	684	2	717	2	2
105°	2	543	2	576	2	2
115°	2	414	2	450	2	2
125°	2	298	2	330	2	2
135°	2	193	2	228	2	1
145°	2	112	2	137	2	1
155°	2	46	2	64	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#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1847.2	1847.2	1845.2	1841.4	1843.3	1849.1	1845.2	1835.6	1829.8	1814.3	1818.2
5°	1839.4	1839.4	1837.5	1833.6	1835.6	1843.3	1839.4	1831.7	1824.0	1810.4	1816.2
7.5°	1825.9	1825.9	1824.0	1820.1	1824.0	1831.7	1827.8	1820.1	1814.3	1800.8	1806.6
10°	1806.6	1808.5	1806.6	1800.8	1808.5	1816.2	1814.3	1804.6	1798.9	1787.3	1793.1
12.5°	1783.4	1785.3	1783.4	1781.5	1785.3	1796.9	1793.1	1785.3	1781.5	1771.8	1777.6
15°	1756.3	1758.3	1754.4	1754.4	1758.3	1769.9	1769.9	1762.1	1758.3	1748.6	1760.2
17.5°	1721.6	1723.5	1721.6	1721.6	1725.4	1737.0	1739.0	1735.1	1731.2	1727.4	1739.0
20°	1686.8	1684.9	1684.9	1682.9	1690.6	1708.0	1706.1	1706.1	1702.2	1702.2	1715.8
22.5°	1646.2	1646.2	1644.3	1644.3	1653.9	1669.4	1669.4	1673.3	1669.4	1677.1	1688.7
25°	1599.8	1601.8	1599.8	1603.7	1611.4	1628.8	1630.8	1636.5	1638.5	1646.2	1659.7
27.5°	1551.5	1553.5	1551.5	1555.4	1568.9	1582.4	1592.1	1599.8	1601.8	1613.4	1630.8
30°	1499.4	1499.4	1501.3	1505.2	1520.6	1541.9	1549.6	1559.3	1559.3	1578.6	1596.0
32.5°	1445.3	1445.3	1445.3	1453.0	1470.4	1495.5	1505.2	1516.8	1520.6	1539.9	1559.3
35°	1385.4	1387.3	1387.3	1393.1	1416.3	1441.4	1454.9	1468.4	1476.2	1499.4	1518.7
37.5°	1329.3	1333.2	1327.4	1335.1	1368.0	1389.2	1404.7	1418.2	1431.7	1462.7	1478.1
40°	1265.6	1269.4	1267.5	1283.0	1310.0	1337.1	1354.5	1368.0	1387.3	1418.2	1435.6
42.5°	1197.9	1201.8	1205.7	1223.1	1252.0	1279.1	1300.4	1317.7	1340.9	1368.0	1397.0
45°	1136.1	1136.1	1141.9	1163.2	1194.1	1223.1	1248.2	1267.5	1294.6	1323.5	1352.5
47.5°	1066.6	1068.5	1076.2	1101.3	1134.2	1169.0	1192.1	1217.3	1246.3	1277.2	1310.0
50°	1002.8	1002.8	1014.4	1041.4	1072.4	1111.0	1136.1	1165.1	1196.0	1232.7	1265.6
52.5°	929.4	933.2	950.6	975.7	1016.3	1051.1	1080.1	1111.0	1147.7	1186.4	1223.1
55°	856.0	863.7	877.2	912.0	954.5	987.3	1022.1	1060.8	1095.5	1138.0	1180.6
57.5°	784.5	790.3	811.5	846.3	890.7	931.3	968.0	1004.7	1047.2	1089.7	1134.2
60°	711.0	718.8	743.9	778.7	827.0	869.5	912.0	950.6	995.1	1039.5	1085.9
62.5°	641.5	647.3	676.3	716.8	765.1	811.5	854.0	900.4	948.7	991.2	1037.6
65°	568.1	577.7	610.6	647.3	703.3	749.7	798.0	848.2	898.5	944.8	989.3
67.5°	500.4	506.2	541.0	583.5	639.5	691.7	742.0	796.1	848.2	896.5	941.0
70°	421.2	440.5	475.3	519.8	579.7	633.8	687.9	743.9	799.9	850.2	892.7
72.5°	355.5	371.0	409.6	457.9	515.9	579.7	635.7	695.6	751.6	803.8	848.2
75°	286.0	301.4	345.9	400.0	459.9	527.5	585.4	647.3	705.2	757.4	803.8
77.5°	218.3	237.7	286.0	342.0	407.7	477.2	537.1	599.0	658.9	714.9	761.3
80°	156.5	177.8	229.9	293.7	357.5	427.0	492.7	554.5	614.4	670.5	718.8
82.5°	100.5	123.7	179.7	243.5	311.1	380.6	448.3	510.1	570.0	626.0	676.3
85°	54.1	79.2	137.2	200.9	268.6	338.1	405.8	471.4	529.4	581.6	635.7
87.5°	15.5	46.4	102.4	166.2	235.7	299.5	365.2	430.9	488.8	544.9	593.2
90°	1.9	27.1	77.3	137.2	204.8	266.6	332.3	394.2	452.1	508.2	556.5
92.5°	1.9	17.4	59.9	114.0	175.8	239.6	305.3	365.2	419.3	475.3	523.6
95°	1.9	13.5	48.3	96.6	154.6	214.5	276.3	334.3	390.3	442.5	490.8
97.5°	1.9	9.7	38.6	83.1	135.3	191.3	251.2	309.1	363.2	413.5	457.9
100°	1.9	7.7	30.9	71.5	117.9	172.0	226.1	282.1	334.3	382.6	428.9
102.5°	1.9	5.8	27.1	59.9	104.3	152.6	204.8	257.0	307.2	353.6	400.0
105°	1.9	5.8	23.2	52.2	92.7	137.2	185.5	235.7	282.1	326.5	369.0
107.5°	1.9	3.9	19.3	44.4	81.2	123.7	168.1	216.4	258.9	301.4	342.0
110°	1.9	3.9	15.5	40.6	71.5	110.1	152.6	197.1	237.7	278.2	316.9



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CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.9	3.9	13.5	34.8	61.8	98.5	137.2	177.8	216.4	257.0	291.8
115°	1.9	3.9	11.6	30.9	58.0	85.0	123.7	160.4	199.0	235.7	268.6
117.5°	1.9	3.9	9.7	25.1	50.2	77.3	108.2	144.9	179.7	214.5	245.4
120°	1.9	3.9	7.7	23.2	44.4	69.6	96.6	129.5	162.3	195.1	228.0
122.5°	1.9	1.9	7.7	19.3	38.6	61.8	88.9	114.0	144.9	175.8	204.8
125°	1.9	1.9	7.7	17.4	32.8	56.0	79.2	102.4	129.5	156.5	181.6
127.5°	1.9	1.9	5.8	13.5	29.0	48.3	69.6	94.7	114.0	139.1	164.2
130°	1.9	1.9	5.8	11.6	25.1	40.6	61.8	83.1	106.3	123.7	144.9
132.5°	1.9	1.9	5.8	9.7	19.3	32.8	52.2	71.5	92.7	112.1	129.5
135°	1.9	1.9	3.9	7.7	15.5	27.1	42.5	59.9	81.2	100.5	117.9
137.5°	1.9	1.9	3.9	7.7	11.6	23.2	32.8	48.3	67.6	85.0	102.4
140°	1.9	1.9	3.9	5.8	9.7	17.4	27.1	38.6	54.1	69.6	88.9
142.5°	1.9	1.9	1.9	5.8	7.7	13.5	21.3	30.9	42.5	56.0	71.5
145°	1.9	1.9	1.9	5.8	7.7	9.7	17.4	25.1	32.8	42.5	56.0
147.5°	1.9	1.9	1.9	3.9	5.8	7.7	13.5	19.3	25.1	32.8	40.6
150°	1.9	1.9	1.9	3.9	5.8	7.7	9.7	13.5	19.3	27.1	32.8
152.5°	1.9	1.9	1.9	3.9	3.9	5.8	7.7	9.7	13.5	19.3	23.2
155°	1.9	1.9	1.9	1.9	3.9	5.8	7.7	7.7	9.7	13.5	17.4
157.5°	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8	7.7	7.7	11.6
160°	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8	5.8	5.8
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9
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°	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1818.2	1820.1	1825.9	1825.9	1822.0	1822.0	1820.1	1818.2	1820.1	1824.0	1824.0
5°	1814.3	1816.2	1822.0	1824.0	1820.1	1818.2	1818.2	1816.2	1818.2	1822.0	1822.0
7.5°	1806.6	1808.5	1814.3	1816.2	1812.4	1812.4	1810.4	1808.5	1812.4	1814.3	1814.3
10°	1795.0	1796.9	1804.6	1806.6	1804.6	1802.7	1802.7	1800.8	1802.7	1806.6	1806.6
12.5°	1779.5	1783.4	1793.1	1793.1	1793.1	1791.1	1791.1	1789.2	1791.1	1795.0	1793.1
15°	1762.1	1769.9	1777.6	1781.5	1781.5	1781.5	1779.5	1777.6	1781.5	1783.4	1781.5
17.5°	1742.8	1752.5	1764.1	1767.9	1767.9	1769.9	1767.9	1766.0	1769.9	1769.9	1767.9
20°	1723.5	1733.2	1744.8	1748.6	1752.5	1754.4	1754.4	1752.5	1754.4	1756.3	1754.4
22.5°	1698.4	1710.0	1723.5	1729.3	1733.2	1737.0	1737.0	1737.0	1739.0	1740.9	1737.0
25°	1671.3	1684.9	1700.3	1706.1	1713.8	1715.8	1717.7	1717.7	1719.6	1721.6	1715.8
27.5°	1642.3	1657.8	1673.3	1682.9	1688.7	1692.6	1692.6	1694.5	1696.4	1698.4	1692.6
30°	1607.6	1630.8	1644.3	1652.0	1659.7	1665.5	1667.5	1669.4	1671.3	1673.3	1667.5
32.5°	1576.7	1596.0	1613.4	1623.0	1632.7	1640.4	1642.3	1642.3	1646.2	1646.2	1640.4
35°	1539.9	1563.1	1580.5	1590.2	1601.8	1607.6	1611.4	1611.4	1615.3	1615.3	1609.5
37.5°	1503.2	1526.4	1545.7	1557.3	1570.9	1578.6	1580.5	1580.5	1584.4	1584.4	1576.7
40°	1464.6	1489.7	1511.0	1524.5	1536.1	1545.7	1547.7	1553.5	1553.5	1551.5	1543.8
42.5°	1425.9	1449.1	1472.3	1487.8	1503.2	1512.9	1516.8	1518.7	1518.7	1516.8	1511.0
45°	1383.4	1410.5	1431.7	1451.1	1466.5	1476.2	1482.0	1483.9	1483.9	1480.0	1474.2
47.5°	1342.9	1369.9	1391.2	1412.4	1427.9	1439.5	1445.3	1447.2	1445.3	1443.3	1437.5
50°	1300.4	1331.3	1352.5	1373.8	1389.2	1398.9	1408.6	1410.5	1408.6	1406.6	1395.0
52.5°	1255.9	1288.8	1311.9	1333.2	1350.6	1362.2	1369.9	1371.8	1371.8	1368.0	1360.2
55°	1211.5	1240.5	1269.4	1292.6	1311.9	1323.5	1333.2	1337.1	1333.2	1329.3	1319.7
57.5°	1170.9	1197.9	1226.9	1252.0	1271.4	1286.8	1294.6	1298.4	1294.6	1288.8	1279.1
60°	1122.6	1151.6	1184.4	1207.6	1228.9	1244.3	1248.2	1255.9	1252.0	1246.3	1236.6
62.5°	1076.2	1111.0	1140.0	1169.0	1186.4	1203.7	1211.5	1215.3	1211.5	1205.7	1196.0
65°	1027.9	1066.6	1095.5	1124.5	1143.8	1161.2	1170.9	1172.8	1169.0	1163.2	1153.5
67.5°	983.5	1020.2	1051.1	1082.0	1099.4	1116.8	1126.5	1130.3	1126.5	1118.7	1109.1
70°	939.0	975.7	1012.5	1035.6	1056.9	1076.2	1082.0	1087.8	1083.9	1076.2	1064.6
72.5°	894.6	933.2	969.9	993.1	1016.3	1033.7	1041.4	1047.2	1043.4	1035.6	1022.1
75°	848.2	888.8	925.5	950.6	973.8	991.2	998.9	1004.7	1000.9	993.1	977.7
77.5°	805.7	846.3	881.1	908.1	931.3	946.8	960.3	962.2	958.4	950.6	935.2
80°	761.3	801.9	838.6	865.6	888.8	904.3	913.9	919.7	915.8	908.1	892.7
82.5°	722.6	759.3	796.1	823.1	846.3	865.6	873.3	879.1	877.2	865.6	854.0
85°	680.1	722.6	751.6	780.6	803.8	823.1	828.9	836.6	834.7	825.0	809.6
87.5°	637.6	680.1	714.9	743.9	765.1	780.6	790.3	794.1	792.2	782.5	765.1
90°	602.8	641.5	676.3	707.2	724.6	742.0	751.6	753.5	753.5	742.0	728.4
92.5°	570.0	606.7	641.5	670.5	691.7	707.2	714.9	718.8	716.8	707.2	691.7
95°	533.3	573.9	606.7	635.7	656.9	672.4	680.1	684.0	682.1	672.4	656.9
97.5°	502.4	539.1	571.9	599.0	620.2	635.7	643.4	647.3	647.3	637.6	622.2
100°	471.4	508.2	539.1	566.1	585.4	600.9	608.6	610.6	608.6	600.9	585.4
102.5°	440.5	475.3	506.2	531.3	552.6	566.1	573.9	575.8	575.8	566.1	550.7
105°	409.6	444.4	473.4	500.4	517.8	531.3	537.1	542.9	541.0	533.3	517.8
107.5°	380.6	415.4	442.5	467.6	485.0	498.5	504.3	510.1	508.2	500.4	485.0
110°	353.6	386.4	411.6	436.7	452.1	465.7	475.3	477.2	473.4	465.7	452.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	328.5	357.5	382.6	405.8	423.1	432.8	440.5	444.4	440.5	432.8	423.1
115°	301.4	330.4	355.5	376.8	392.2	403.8	409.6	413.5	409.6	401.9	392.2
117.5°	276.3	303.4	328.5	349.7	363.2	372.9	378.7	382.6	378.7	372.9	363.2
120°	255.0	278.2	301.4	320.7	336.2	343.9	349.7	353.6	351.7	343.9	334.3
122.5°	229.9	255.0	276.3	295.6	309.1	316.9	320.7	324.6	322.7	316.9	307.2
125°	208.7	229.9	251.2	268.6	282.1	289.8	293.7	297.6	295.6	289.8	278.2
127.5°	185.5	208.7	226.1	243.5	253.1	264.7	266.6	270.5	268.6	262.8	253.1
130°	168.1	185.5	202.9	218.3	229.9	237.7	241.5	243.5	239.6	235.7	226.1
132.5°	146.8	166.2	181.6	195.1	202.9	210.6	214.5	216.4	216.4	210.6	202.9
135°	131.4	144.9	158.4	172.0	179.7	187.4	191.3	193.2	191.3	187.4	179.7
137.5°	117.9	129.5	139.1	150.7	160.4	164.2	168.1	168.1	166.2	164.2	158.4
140°	102.4	115.9	125.6	133.3	141.0	143.0	146.8	146.8	144.9	143.0	139.1
142.5°	86.9	98.5	108.2	117.9	123.7	127.5	129.5	131.4	129.5	127.5	121.7
145°	69.6	83.1	92.7	98.5	106.3	108.2	110.1	112.1	110.1	108.2	102.4
147.5°	54.1	65.7	75.4	83.1	88.9	90.8	92.7	94.7	92.7	88.9	86.9
150°	38.6	48.3	59.9	67.6	71.5	75.4	75.4	75.4	77.3	73.4	69.6
152.5°	30.9	34.8	42.5	50.2	56.0	58.0	59.9	59.9	58.0	58.0	54.1
155°	21.3	25.1	30.9	36.7	42.5	44.4	46.4	46.4	44.4	44.4	42.5
157.5°	13.5	17.4	21.3	25.1	30.9	32.8	34.8	34.8	34.8	32.8	30.9
160°	7.7	9.7	11.6	15.5	19.3	21.3	23.2	23.2	23.2	23.2	21.3
162.5°	5.8	5.8	5.8	7.7	9.7	11.6	13.5	13.5	13.5	13.5	11.6
165°	3.9	3.9	3.9	3.9	3.9	5.8	7.7	7.7	7.7	7.7	7.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1822.0	1822.0	1824.0	1820.1	1808.5	1810.4	1810.4	1818.2	1822.0	1824.0	1833.6
5°	1818.2	1818.2	1822.0	1816.2	1806.6	1806.6	1806.6	1814.3	1816.2	1820.1	1827.8
7.5°	1812.4	1812.4	1814.3	1808.5	1796.9	1796.9	1795.0	1802.7	1806.6	1808.5	1816.2
10°	1802.7	1802.7	1804.6	1798.9	1785.3	1785.3	1783.4	1789.2	1791.1	1795.0	1800.8
12.5°	1789.2	1789.2	1789.2	1783.4	1769.9	1767.9	1766.0	1771.8	1771.8	1773.7	1779.5
15°	1777.6	1773.7	1773.7	1767.9	1754.4	1750.5	1746.7	1748.6	1752.5	1750.5	1754.4
17.5°	1764.1	1760.2	1756.3	1750.5	1733.2	1727.4	1723.5	1725.4	1723.5	1721.6	1725.4
20°	1748.6	1742.8	1740.9	1731.2	1713.8	1704.2	1696.4	1692.6	1694.5	1688.7	1690.6
22.5°	1731.2	1723.5	1719.6	1708.0	1690.6	1679.1	1669.4	1661.7	1659.7	1652.0	1653.9
25°	1710.0	1700.3	1694.5	1684.9	1665.5	1652.0	1640.4	1628.8	1623.0	1613.4	1611.4
27.5°	1684.9	1675.2	1667.5	1657.8	1638.5	1621.1	1607.6	1592.1	1584.4	1572.8	1567.0
30°	1659.7	1648.1	1636.5	1628.8	1607.6	1588.2	1567.0	1553.5	1541.9	1528.3	1518.7
32.5°	1628.8	1617.2	1605.6	1594.0	1574.7	1551.5	1534.1	1512.9	1499.4	1483.9	1472.3
35°	1597.9	1582.4	1570.9	1555.4	1538.0	1511.0	1489.7	1468.4	1451.1	1433.7	1420.1
37.5°	1563.1	1551.5	1534.1	1520.6	1499.4	1472.3	1449.1	1422.1	1406.6	1383.4	1366.0
40°	1530.3	1516.8	1499.4	1482.0	1460.7	1429.8	1404.7	1373.8	1356.4	1329.3	1311.9
42.5°	1497.4	1478.1	1460.7	1441.4	1418.2	1389.2	1358.3	1327.4	1304.2	1279.1	1254.0
45°	1460.7	1439.5	1418.2	1397.0	1373.8	1344.8	1311.9	1279.1	1250.1	1226.9	1196.0
47.5°	1422.1	1400.8	1375.7	1352.5	1327.4	1298.4	1263.6	1228.9	1197.9	1170.9	1138.0
50°	1383.4	1362.2	1335.1	1310.0	1281.0	1252.0	1215.3	1174.8	1141.9	1107.1	1078.2
52.5°	1342.9	1321.6	1296.5	1263.6	1232.7	1203.7	1165.1	1122.6	1085.9	1056.9	1020.2
55°	1302.3	1281.0	1252.0	1219.2	1188.3	1151.6	1114.9	1072.4	1031.8	997.0	960.3
57.5°	1259.8	1240.5	1207.6	1180.6	1141.9	1103.3	1064.6	1024.1	979.6	939.0	896.5
60°	1217.3	1196.0	1165.1	1132.3	1093.6	1055.0	1014.4	969.9	923.6	879.1	840.5
62.5°	1178.6	1151.6	1122.6	1087.8	1047.2	1010.5	964.2	915.8	869.5	823.1	776.7
65°	1134.2	1105.2	1078.2	1043.4	1000.9	958.4	912.0	863.7	813.4	763.2	716.8
67.5°	1089.7	1060.8	1031.8	997.0	952.6	908.1	859.8	811.5	755.5	707.2	653.1
70°	1045.3	1022.1	985.4	948.7	908.1	859.8	811.5	759.3	701.4	649.2	593.2
72.5°	1000.9	977.7	941.0	902.3	863.7	813.4	761.3	709.1	655.0	595.1	535.2
75°	958.4	929.4	896.5	859.8	819.2	767.1	714.9	660.8	597.0	541.0	479.2
77.5°	917.8	890.7	857.9	817.3	772.9	722.6	668.5	612.5	548.7	488.8	421.2
80°	873.3	846.3	813.4	772.9	728.4	680.1	622.2	564.2	502.4	436.7	367.1
82.5°	830.8	805.7	769.0	732.3	684.0	635.7	577.7	519.8	454.1	390.3	322.7
85°	786.4	761.3	726.5	687.9	641.5	589.3	535.2	477.2	411.6	345.9	278.2
87.5°	747.8	718.8	684.0	645.3	599.0	548.7	496.6	434.7	371.0	307.2	237.7
90°	707.2	680.1	645.3	606.7	560.3	510.1	456.0	398.0	336.2	270.5	204.8
92.5°	672.4	643.4	610.6	571.9	525.6	477.2	423.1	365.2	305.3	241.5	177.8
95°	637.6	608.6	577.7	539.1	492.7	444.4	390.3	334.3	276.3	214.5	154.6
97.5°	599.0	573.9	542.9	506.2	459.9	413.5	361.3	307.2	251.2	191.3	135.3
100°	568.1	539.1	510.1	471.4	428.9	384.5	332.3	280.2	226.1	170.0	117.9
102.5°	533.3	506.2	477.2	440.5	398.0	353.6	305.3	255.0	204.8	152.6	102.4
105°	500.4	475.3	444.4	409.6	369.0	326.5	280.2	233.8	185.5	135.3	90.8
107.5°	467.6	442.5	413.5	380.6	342.0	299.5	257.0	210.6	166.2	121.7	81.2
110°	434.7	411.6	384.5	351.7	314.9	276.3	235.7	193.2	148.8	108.2	71.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	405.8	382.6	355.5	324.6	289.8	253.1	214.5	173.9	133.3	96.6	61.8
115°	376.8	355.5	328.5	301.4	266.6	231.9	195.1	156.5	119.8	86.9	54.1
117.5°	347.8	326.5	301.4	274.4	243.5	210.6	175.8	139.1	108.2	77.3	48.3
120°	318.8	299.5	276.3	251.2	224.1	191.3	156.5	125.6	96.6	67.6	42.5
122.5°	291.8	274.4	253.1	229.9	200.9	170.0	141.0	114.0	86.9	59.9	34.8
125°	266.6	249.3	229.9	206.7	179.7	152.6	127.5	102.4	75.4	52.2	29.0
127.5°	241.5	224.1	204.8	183.6	162.3	137.2	114.0	90.8	67.6	46.4	25.1
130°	216.4	200.9	183.6	166.2	144.9	121.7	102.4	79.2	58.0	36.7	21.3
132.5°	191.3	179.7	164.2	146.8	127.5	110.1	88.9	69.6	50.2	32.8	19.3
135°	170.0	158.4	144.9	129.5	114.0	96.6	77.3	59.9	42.5	27.1	15.5
137.5°	150.7	141.0	127.5	114.0	100.5	83.1	67.6	50.2	34.8	23.2	11.6
140°	133.3	123.7	112.1	98.5	86.9	71.5	56.0	40.6	30.9	19.3	9.7
142.5°	115.9	106.3	96.6	85.0	73.4	59.9	46.4	34.8	25.1	15.5	9.7
145°	98.5	90.8	81.2	71.5	59.9	48.3	38.6	29.0	19.3	11.6	7.7
147.5°	81.2	75.4	65.7	58.0	48.3	38.6	30.9	23.2	15.5	9.7	5.8
150°	65.7	59.9	52.2	44.4	38.6	30.9	25.1	17.4	11.6	9.7	5.8
152.5°	50.2	46.4	40.6	36.7	30.9	23.2	17.4	13.5	9.7	7.7	3.9
155°	40.6	36.7	32.8	27.1	23.2	17.4	13.5	9.7	7.7	5.8	3.9
157.5°	29.0	27.1	23.2	19.3	15.5	11.6	9.7	9.7	5.8	3.9	1.9
160°	19.3	17.4	15.5	11.6	9.7	9.7	7.7	5.8	3.9	3.9	1.9
162.5°	11.6	9.7	9.7	9.7	7.7	7.7	5.8	3.9	3.9	1.9	1.9
165°	7.7	7.7	7.7	5.8	5.8	5.8	3.9	1.9	1.9	1.9	1.9
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1833.6	1827.8	1835.6	1849.1	1851.0	1849.1	1845.2	1851.0	1858.7	1856.8	1843.3
5°	1829.8	1822.0	1829.8	1843.3	1843.3	1841.4	1839.4	1845.2	1853.0	1851.0	1839.4
7.5°	1818.2	1810.4	1818.2	1829.8	1831.7	1827.8	1827.8	1833.6	1841.4	1839.4	1829.8
10°	1802.7	1795.0	1798.9	1812.4	1816.2	1812.4	1812.4	1818.2	1827.8	1825.9	1814.3
12.5°	1779.5	1773.7	1777.6	1789.2	1793.1	1791.1	1789.2	1796.9	1806.6	1806.6	1795.0
15°	1754.4	1746.7	1750.5	1764.1	1766.0	1762.1	1764.1	1769.9	1781.5	1781.5	1771.8
17.5°	1725.4	1715.8	1721.6	1731.2	1733.2	1733.2	1733.2	1740.9	1754.4	1752.5	1744.8
20°	1692.6	1679.1	1682.9	1692.6	1696.4	1696.4	1696.4	1710.0	1719.6	1719.6	1711.9
22.5°	1653.9	1644.3	1644.3	1653.9	1659.7	1657.8	1657.8	1669.4	1682.9	1681.0	1681.0
25°	1609.5	1601.8	1597.9	1609.5	1611.4	1613.4	1617.2	1628.8	1644.3	1644.3	1646.2
27.5°	1563.1	1555.4	1553.5	1563.1	1565.1	1567.0	1570.9	1584.4	1599.8	1601.8	1605.6
30°	1518.7	1507.1	1503.2	1511.0	1514.8	1516.8	1516.8	1538.0	1551.5	1557.3	1565.1
32.5°	1466.5	1454.9	1445.3	1458.8	1460.7	1464.6	1466.5	1487.8	1503.2	1512.9	1524.5
35°	1414.3	1395.0	1391.2	1400.8	1404.7	1406.6	1410.5	1433.7	1454.9	1462.7	1478.1
37.5°	1356.4	1342.9	1331.3	1340.9	1344.8	1346.7	1358.3	1379.6	1400.8	1412.4	1427.9
40°	1302.3	1284.9	1275.2	1281.0	1284.9	1286.8	1300.4	1323.5	1348.7	1362.2	1381.5
42.5°	1242.4	1219.2	1211.5	1217.3	1219.2	1225.0	1236.6	1267.5	1292.6	1311.9	1327.4
45°	1182.5	1165.1	1147.7	1153.5	1155.4	1159.3	1176.7	1209.5	1236.6	1259.8	1277.2
47.5°	1120.7	1099.4	1082.0	1085.9	1093.6	1095.5	1114.9	1153.5	1178.6	1203.7	1226.9
50°	1058.8	1029.8	1016.3	1016.3	1020.2	1029.8	1055.0	1093.6	1120.7	1149.6	1174.8
52.5°	995.1	968.0	952.6	954.5	958.4	969.9	993.1	1031.8	1062.7	1093.6	1124.5
55°	931.3	902.3	886.9	883.0	886.9	902.3	929.4	969.9	1000.9	1037.6	1070.4
57.5°	867.5	832.8	819.2	813.4	817.3	836.6	863.7	906.2	944.8	979.6	1018.3
60°	798.0	770.9	747.8	734.2	743.9	769.0	798.0	842.4	883.0	921.6	964.2
62.5°	738.1	703.3	678.2	664.7	674.3	695.6	736.2	778.7	823.1	867.5	910.1
65°	670.5	635.7	606.7	593.2	602.8	628.0	668.5	714.9	763.2	807.6	857.9
67.5°	604.8	568.1	533.3	519.8	531.3	558.4	602.8	655.0	707.2	753.5	807.6
70°	541.0	500.4	463.7	454.1	461.8	498.5	541.0	593.2	647.3	701.4	757.4
72.5°	483.0	432.8	394.2	382.6	392.2	432.8	481.1	535.2	593.2	651.1	711.0
75°	415.4	369.0	326.5	313.0	324.6	361.3	421.2	479.2	541.0	602.8	658.9
77.5°	361.3	307.2	262.8	241.5	260.8	307.2	365.2	427.0	490.8	554.5	618.3
80°	305.3	249.3	200.9	177.8	199.0	249.3	307.2	374.8	446.3	510.1	568.1
82.5°	255.0	195.1	144.9	119.8	143.0	199.0	262.8	330.4	400.0	463.7	531.3
85°	208.7	146.8	94.7	67.6	100.5	150.7	218.3	287.9	359.4	425.1	490.8
87.5°	170.0	110.1	58.0	29.0	61.8	117.9	181.6	251.2	322.7	388.4	450.2
90°	139.1	79.2	30.9	3.9	36.7	88.9	150.7	218.3	286.0	353.6	415.4
92.5°	114.0	59.9	17.4	1.9	23.2	71.5	129.5	193.2	258.9	324.6	384.5
95°	94.7	46.4	11.6	1.9	17.4	56.0	110.1	172.0	233.8	297.6	357.5
97.5°	81.2	38.6	9.7	1.9	13.5	48.3	94.7	152.6	212.5	272.4	330.4
100°	69.6	30.9	7.7	1.9	11.6	40.6	83.1	135.3	191.3	249.3	305.3
102.5°	59.9	25.1	5.8	1.9	9.7	34.8	73.4	121.7	172.0	228.0	282.1
105°	52.2	21.3	5.8	1.9	7.7	30.9	65.7	108.2	158.4	208.7	260.8
107.5°	44.4	17.4	3.9	1.9	5.8	25.1	58.0	98.5	143.0	191.3	239.6
110°	38.6	15.5	3.9	1.9	5.8	23.2	50.2	88.9	129.5	173.9	220.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	32.8	11.6	3.9	1.9	3.9	19.3	44.4	79.2	117.9	158.4	202.9
115°	29.0	9.7	1.9	1.9	3.9	17.4	40.6	71.5	106.3	144.9	185.5
117.5°	23.2	7.7	1.9	1.9	1.9	13.5	34.8	63.8	96.6	133.3	170.0
120°	19.3	7.7	1.9	1.9	1.9	11.6	30.9	56.0	86.9	119.8	154.6
122.5°	17.4	5.8	1.9	1.9	1.9	9.7	27.1	50.2	77.3	108.2	141.0
125°	15.5	5.8	1.9	1.9	1.9	7.7	23.2	44.4	69.6	96.6	127.5
127.5°	11.6	5.8	1.9	1.9	1.9	5.8	21.3	38.6	61.8	86.9	114.0
130°	9.7	3.9	1.9	1.9	1.9	5.8	17.4	34.8	54.1	77.3	102.4
132.5°	7.7	3.9	1.9	1.9	1.9	3.9	13.5	27.1	46.4	67.6	90.8
135°	7.7	3.9	1.9	1.9	1.9	3.9	9.7	23.2	38.6	58.0	77.3
137.5°	7.7	1.9	1.9	1.9	1.9	3.9	7.7	17.4	30.9	46.4	63.8
140°	5.8	1.9	1.9	1.9	1.9	1.9	5.8	13.5	25.1	38.6	54.1
142.5°	5.8	1.9	1.9	1.9	1.9	1.9	5.8	9.7	19.3	30.9	42.5
145°	3.9	1.9	1.9	1.9	1.9	1.9	3.9	7.7	15.5	23.2	34.8
147.5°	3.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	11.6	19.3	27.1
150°	3.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.7	13.5	21.3
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7	13.5
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.7	9.7
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	7.7
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1837.5	1824.0	1827.8	1825.9	1829.8	1835.6	1835.6	1833.6	1833.6	1829.8	1825.9
5°	1833.6	1820.1	1825.9	1824.0	1827.8	1833.6	1833.6	1831.7	1831.7	1825.9	1824.0
7.5°	1822.0	1812.4	1816.2	1816.2	1820.1	1825.9	1825.9	1824.0	1824.0	1818.2	1816.2
10°	1810.4	1798.9	1804.6	1804.6	1808.5	1816.2	1816.2	1814.3	1814.3	1808.5	1806.6
12.5°	1791.1	1779.5	1789.2	1791.1	1795.0	1802.7	1800.8	1800.8	1800.8	1795.0	1793.1
15°	1767.9	1760.2	1769.9	1771.8	1777.6	1787.3	1787.3	1787.3	1787.3	1781.5	1779.5
17.5°	1742.8	1737.0	1746.7	1750.5	1758.3	1767.9	1767.9	1769.9	1771.8	1767.9	1766.0
20°	1713.8	1710.0	1719.6	1727.4	1739.0	1748.6	1752.5	1754.4	1758.3	1754.4	1752.5
22.5°	1681.0	1681.0	1694.5	1702.2	1715.8	1725.4	1731.2	1737.0	1740.9	1737.0	1735.1
25°	1644.3	1650.1	1663.6	1677.1	1692.6	1702.2	1708.0	1715.8	1719.6	1717.7	1715.8
27.5°	1609.5	1617.2	1634.6	1648.1	1661.7	1677.1	1682.9	1692.6	1696.4	1696.4	1694.5
30°	1568.9	1580.5	1599.8	1615.3	1632.7	1648.1	1655.9	1665.5	1671.3	1667.5	1669.4
32.5°	1530.3	1549.6	1565.1	1582.4	1601.8	1617.2	1626.9	1638.5	1644.3	1642.3	1644.3
35°	1487.8	1507.1	1528.3	1545.7	1568.9	1584.4	1597.9	1607.6	1615.3	1613.4	1613.4
37.5°	1441.4	1466.5	1487.8	1511.0	1532.2	1549.6	1563.1	1574.7	1582.4	1582.4	1582.4
40°	1397.0	1424.0	1445.3	1472.3	1499.4	1514.8	1530.3	1541.9	1549.6	1551.5	1553.5
42.5°	1348.7	1377.6	1402.8	1431.7	1458.8	1478.1	1495.5	1509.0	1516.8	1520.6	1518.7
45°	1304.2	1331.3	1360.2	1393.1	1418.2	1437.5	1458.8	1474.2	1482.0	1483.9	1485.8
47.5°	1254.0	1284.9	1317.7	1350.6	1375.7	1400.8	1420.1	1435.6	1443.3	1449.1	1449.1
50°	1205.7	1238.5	1275.2	1310.0	1337.1	1362.2	1381.5	1398.9	1408.6	1412.4	1414.3
52.5°	1161.2	1192.1	1230.8	1265.6	1292.6	1317.7	1342.9	1362.2	1371.8	1375.7	1375.7
55°	1107.1	1145.8	1188.3	1221.1	1250.1	1279.1	1304.2	1323.5	1333.2	1339.0	1342.9
57.5°	1056.9	1097.5	1141.9	1176.7	1211.5	1238.5	1261.7	1286.8	1294.6	1302.3	1304.2
60°	1008.6	1049.2	1091.7	1130.3	1165.1	1194.1	1221.1	1242.4	1255.9	1259.8	1263.6
62.5°	958.4	1000.9	1045.3	1083.9	1120.7	1155.4	1180.6	1199.9	1215.3	1221.1	1225.0
65°	910.1	954.5	998.9	1039.5	1078.2	1112.9	1138.0	1157.4	1172.8	1182.5	1184.4
67.5°	857.9	906.2	952.6	995.1	1033.7	1070.4	1095.5	1114.9	1130.3	1141.9	1143.8
70°	809.6	859.8	906.2	952.6	991.2	1027.9	1055.0	1074.3	1091.7	1099.4	1103.3
72.5°	763.2	815.4	863.7	910.1	948.7	985.4	1014.4	1033.7	1051.1	1060.8	1062.7
75°	718.8	770.9	823.1	867.5	908.1	944.8	973.8	995.1	1010.5	1020.2	1024.1
77.5°	674.3	728.4	780.6	825.0	867.5	904.3	929.4	954.5	969.9	981.5	981.5
80°	629.9	685.9	740.0	784.5	827.0	859.8	888.8	913.9	929.4	941.0	941.0
82.5°	591.2	645.3	697.5	742.0	784.5	821.2	850.2	873.3	890.7	898.5	900.4
85°	546.8	606.7	655.0	703.3	743.9	778.7	807.6	832.8	848.2	856.0	859.8
87.5°	510.1	568.1	620.2	662.7	703.3	738.1	770.9	792.2	807.6	817.3	821.2
90°	475.3	531.3	583.5	626.0	668.5	701.4	732.3	753.5	770.9	778.7	782.5
92.5°	444.4	500.4	550.7	593.2	633.8	670.5	699.4	720.7	736.2	743.9	749.7
95°	415.4	469.5	517.8	564.2	602.8	635.7	666.6	687.9	705.2	711.0	716.8
97.5°	386.4	438.6	486.9	531.3	571.9	602.8	631.8	653.1	666.6	676.3	682.1
100°	361.3	411.6	457.9	500.4	539.1	568.1	599.0	618.3	631.8	639.5	647.3
102.5°	334.3	384.5	428.9	469.5	510.1	537.1	566.1	585.4	597.0	610.6	610.6
105°	311.1	357.5	401.9	440.5	475.3	508.2	533.3	552.6	566.1	575.8	575.8
107.5°	286.0	332.3	374.8	415.4	448.3	479.2	502.4	519.8	535.2	541.0	546.8
110°	266.6	307.2	349.7	388.4	419.3	448.3	471.4	490.8	504.3	510.1	514.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	243.5	286.0	324.6	361.3	392.2	419.3	442.5	457.9	471.4	479.2	481.1
115°	224.1	264.7	299.5	334.3	367.1	390.3	411.6	427.0	440.5	446.3	450.2
117.5°	206.7	243.5	278.2	307.2	338.1	363.2	384.5	398.0	409.6	417.3	421.2
120°	189.4	224.1	255.0	284.0	313.0	336.2	355.5	369.0	382.6	388.4	388.4
122.5°	172.0	204.8	233.8	260.8	287.9	309.1	330.4	342.0	353.6	359.4	359.4
125°	156.5	187.4	214.5	239.6	264.7	284.0	301.4	314.9	326.5	330.4	330.4
127.5°	141.0	170.0	195.1	218.3	239.6	258.9	276.3	289.8	299.5	303.4	303.4
130°	127.5	152.6	175.8	199.0	220.3	235.7	253.1	264.7	270.5	276.3	278.2
132.5°	114.0	137.2	158.4	177.8	199.0	214.5	228.0	239.6	245.4	251.2	253.1
135°	100.5	121.7	141.0	160.4	177.8	193.2	204.8	214.5	222.2	226.1	228.0
137.5°	85.0	108.2	125.6	141.0	160.4	172.0	185.5	191.3	199.0	202.9	202.9
140°	71.5	88.9	108.2	123.7	139.1	150.7	162.3	172.0	177.8	179.7	179.7
142.5°	58.0	73.4	88.9	108.2	121.7	131.4	143.0	150.7	154.6	156.5	158.4
145°	46.4	58.0	71.5	88.9	104.3	115.9	121.7	129.5	133.3	135.3	137.2
147.5°	34.8	46.4	58.0	69.6	85.0	96.6	102.4	110.1	114.0	115.9	115.9
150°	27.1	34.8	42.5	54.1	65.7	79.2	86.9	92.7	94.7	96.6	96.6
152.5°	19.3	27.1	32.8	40.6	48.3	59.9	71.5	75.4	77.3	79.2	79.2
155°	13.5	19.3	23.2	29.0	34.8	44.4	54.1	59.9	61.8	63.8	63.8
157.5°	9.7	13.5	15.5	21.3	25.1	29.0	36.7	46.4	48.3	48.3	48.3
160°	5.8	7.7	9.7	13.5	15.5	19.3	23.2	29.0	34.8	34.8	34.8
162.5°	3.9	5.8	5.8	7.7	7.7	11.6	13.5	15.5	21.3	23.2	23.2
165°	1.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	9.7	11.6	11.6
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1827.8	1831.7	1829.8	1829.8	1829.8	1833.6	1829.8	1812.4	1816.2	1820.1	1824.0
5°	1825.9	1827.8	1827.8	1825.9	1825.9	1829.8	1825.9	1808.5	1812.4	1816.2	1818.2
7.5°	1818.2	1820.1	1820.1	1820.1	1818.2	1822.0	1816.2	1800.8	1800.8	1804.6	1806.6
10°	1808.5	1812.4	1810.4	1808.5	1808.5	1808.5	1804.6	1787.3	1787.3	1789.2	1791.1
12.5°	1796.9	1796.9	1796.9	1795.0	1793.1	1793.1	1789.2	1771.8	1769.9	1773.7	1771.8
15°	1781.5	1785.3	1781.5	1779.5	1775.7	1775.7	1769.9	1752.5	1748.6	1750.5	1748.6
17.5°	1767.9	1769.9	1766.0	1762.1	1758.3	1756.3	1750.5	1731.2	1725.4	1727.4	1723.5
20°	1754.4	1754.4	1750.5	1746.7	1740.9	1735.1	1727.4	1708.0	1698.4	1698.4	1690.6
22.5°	1737.0	1737.0	1733.2	1727.4	1721.6	1713.8	1706.1	1686.8	1671.3	1667.5	1661.7
25°	1717.7	1715.8	1713.8	1708.0	1696.4	1688.7	1681.0	1659.7	1642.3	1634.6	1625.0
27.5°	1694.5	1694.5	1688.7	1682.9	1671.3	1661.7	1652.0	1632.7	1609.5	1599.8	1586.3
30°	1669.4	1669.4	1663.6	1655.9	1644.3	1632.7	1621.1	1597.9	1574.7	1561.2	1545.7
32.5°	1644.3	1642.3	1636.5	1628.8	1617.2	1599.8	1590.2	1567.0	1539.9	1524.5	1503.2
35°	1613.4	1611.4	1605.6	1596.0	1580.5	1567.0	1551.5	1530.3	1499.4	1480.0	1456.9
37.5°	1582.4	1580.5	1576.7	1563.1	1547.7	1532.2	1512.9	1491.6	1462.7	1437.5	1414.3
40°	1551.5	1549.6	1541.9	1532.2	1512.9	1493.6	1474.2	1453.0	1422.1	1393.1	1368.0
42.5°	1518.7	1516.8	1507.1	1495.5	1474.2	1454.9	1431.7	1408.6	1377.6	1342.9	1317.7
45°	1485.8	1482.0	1472.3	1458.8	1435.6	1414.3	1391.2	1364.1	1333.2	1300.4	1267.5
47.5°	1451.1	1445.3	1435.6	1416.3	1397.0	1373.8	1346.7	1317.7	1286.8	1250.1	1215.3
50°	1412.4	1408.6	1397.0	1379.6	1356.4	1333.2	1302.3	1273.3	1236.6	1201.8	1159.3
52.5°	1375.7	1368.0	1358.3	1339.0	1315.8	1290.7	1257.8	1223.1	1186.4	1153.5	1109.1
55°	1337.1	1333.2	1319.7	1304.2	1275.2	1246.3	1215.3	1178.6	1138.0	1099.4	1056.9
57.5°	1300.4	1292.6	1281.0	1259.8	1234.7	1205.7	1172.8	1134.2	1089.7	1049.2	1002.8
60°	1263.6	1252.0	1238.5	1219.2	1192.1	1161.2	1126.5	1085.9	1041.4	997.0	948.7
62.5°	1223.1	1213.4	1197.9	1178.6	1151.6	1118.7	1082.0	1039.5	997.0	950.6	898.5
65°	1182.5	1172.8	1157.4	1138.0	1111.0	1074.3	1035.6	993.1	944.8	900.4	844.4
67.5°	1141.9	1132.3	1114.9	1093.6	1066.6	1031.8	991.2	946.8	898.5	850.2	792.2
70°	1101.3	1089.7	1074.3	1051.1	1024.1	987.3	946.8	900.4	852.1	799.9	742.0
72.5°	1060.8	1051.1	1031.8	1010.5	981.5	944.8	904.3	857.9	807.6	753.5	695.6
75°	1020.2	1008.6	995.1	969.9	939.0	904.3	861.7	815.4	761.3	709.1	649.2
77.5°	979.6	969.9	952.6	927.4	898.5	861.7	819.2	772.9	718.8	664.7	600.9
80°	939.0	927.4	913.9	890.7	857.9	821.2	776.7	730.4	676.3	620.2	556.5
82.5°	898.5	886.9	871.4	848.2	817.3	780.6	738.1	687.9	633.8	575.8	515.9
85°	857.9	848.2	830.8	807.6	774.8	738.1	695.6	651.1	593.2	535.2	475.3
87.5°	817.3	807.6	790.3	767.1	736.2	699.4	656.9	610.6	554.5	500.4	434.7
90°	778.7	770.9	753.5	730.4	699.4	662.7	624.1	573.9	519.8	465.7	403.8
92.5°	743.9	736.2	720.7	697.5	670.5	629.9	591.2	542.9	488.8	432.8	372.9
95°	713.0	703.3	687.9	666.6	633.8	599.0	560.3	512.0	459.9	403.8	345.9
97.5°	678.2	668.5	653.1	629.9	602.8	566.1	527.5	481.1	428.9	376.8	318.8
100°	643.4	633.8	616.4	597.0	570.0	533.3	496.6	450.2	401.9	351.7	295.6
102.5°	608.6	599.0	583.5	564.2	537.1	504.3	467.6	423.1	374.8	324.6	272.4
105°	575.8	566.1	550.7	531.3	506.2	473.4	434.7	396.1	349.7	301.4	251.2
107.5°	542.9	533.3	519.8	500.4	475.3	444.4	407.7	367.1	324.6	278.2	229.9
110°	510.1	502.4	486.9	469.5	444.4	413.5	380.6	342.0	299.5	257.0	210.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	479.2	471.4	456.0	436.7	415.4	386.4	353.6	316.9	276.3	235.7	191.3
115°	448.3	438.6	425.1	407.7	386.4	359.4	328.5	295.6	255.0	216.4	175.8
117.5°	417.3	409.6	396.1	378.7	359.4	332.3	303.4	272.4	233.8	197.1	160.4
120°	386.4	380.6	367.1	351.7	332.3	307.2	280.2	249.3	214.5	179.7	144.9
122.5°	357.5	351.7	338.1	324.6	305.3	282.1	257.0	228.0	197.1	164.2	133.3
125°	330.4	322.7	311.1	297.6	280.2	258.9	233.8	206.7	177.8	148.8	119.8
127.5°	301.4	295.6	287.9	272.4	255.0	235.7	212.5	189.4	162.3	135.3	108.2
130°	278.2	270.5	260.8	249.3	233.8	214.5	193.2	170.0	146.8	121.7	94.7
132.5°	251.2	243.5	235.7	224.1	210.6	193.2	173.9	152.6	131.4	108.2	85.0
135°	226.1	220.3	212.5	200.9	187.4	173.9	154.6	135.3	115.9	94.7	75.4
137.5°	202.9	197.1	189.4	181.6	168.1	154.6	137.2	119.8	102.4	83.1	65.7
140°	179.7	175.8	168.1	160.4	148.8	135.3	119.8	104.3	88.9	71.5	56.0
142.5°	156.5	152.6	146.8	139.1	129.5	117.9	104.3	90.8	75.4	61.8	48.3
145°	135.3	133.3	127.5	119.8	112.1	100.5	88.9	77.3	63.8	52.2	38.6
147.5°	114.0	112.1	108.2	102.4	94.7	85.0	75.4	63.8	54.1	42.5	30.9
150°	94.7	92.7	90.8	83.1	79.2	69.6	61.8	52.2	44.4	32.8	25.1
152.5°	77.3	77.3	73.4	67.6	63.8	56.0	50.2	42.5	34.8	27.1	19.3
155°	61.8	59.9	58.0	54.1	50.2	44.4	38.6	32.8	27.1	19.3	13.5
157.5°	48.3	46.4	44.4	40.6	36.7	34.8	29.0	23.2	17.4	13.5	9.7
160°	34.8	32.8	30.9	29.0	27.1	23.2	19.3	15.5	11.6	7.7	5.8
162.5°	23.2	21.3	21.3	19.3	17.4	13.5	11.6	9.7	7.7	5.8	3.9
165°	11.6	11.6	9.7	9.7	7.7	5.8	5.8	5.8	3.9	3.9	1.9
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1822.0	1822.0	1829.8	1827.8	1822.0	1833.6	1847.2
5°	1816.2	1816.2	1822.0	1822.0	1816.2	1827.8	1839.4
7.5°	1806.6	1804.6	1810.4	1810.4	1802.7	1812.4	1825.9
10°	1789.2	1787.3	1793.1	1793.1	1785.3	1795.0	1806.6
12.5°	1769.9	1766.0	1771.8	1769.9	1762.1	1771.8	1783.4
15°	1744.8	1742.8	1746.7	1742.8	1735.1	1744.8	1756.3
17.5°	1719.6	1713.8	1715.8	1715.8	1702.2	1711.9	1721.6
20°	1686.8	1679.1	1681.0	1679.1	1669.4	1675.2	1686.8
22.5°	1653.9	1642.3	1642.3	1640.4	1628.8	1636.5	1646.2
25°	1613.4	1599.8	1599.8	1597.9	1584.4	1590.2	1599.8
27.5°	1572.8	1559.3	1553.5	1551.5	1538.0	1538.0	1551.5
30°	1530.3	1511.0	1507.1	1501.3	1487.8	1487.8	1499.4
32.5°	1489.7	1462.7	1454.9	1447.2	1433.7	1431.7	1445.3
35°	1435.6	1414.3	1400.8	1393.1	1377.6	1373.8	1385.4
37.5°	1391.2	1364.1	1344.8	1335.1	1319.7	1313.9	1329.3
40°	1342.9	1313.9	1288.8	1283.0	1259.8	1252.0	1265.6
42.5°	1288.8	1257.8	1232.7	1221.1	1203.7	1196.0	1197.9
45°	1234.7	1201.8	1174.8	1159.3	1141.9	1128.4	1136.1
47.5°	1178.6	1149.6	1116.8	1093.6	1072.4	1062.7	1066.6
50°	1122.6	1087.8	1056.9	1031.8	1006.7	995.1	1002.8
52.5°	1066.6	1029.8	995.1	968.0	939.0	927.4	929.4
55°	1012.5	973.8	933.2	904.3	877.2	859.8	856.0
57.5°	958.4	915.8	873.3	840.5	805.7	790.3	784.5
60°	900.4	856.0	811.5	772.9	736.2	718.8	711.0
62.5°	846.3	798.0	747.8	707.2	670.5	647.3	641.5
65°	794.1	738.1	687.9	641.5	600.9	575.8	568.1
67.5°	738.1	680.1	626.0	575.8	537.1	504.3	500.4
70°	685.9	624.1	564.2	512.0	469.5	436.7	421.2
72.5°	633.8	570.0	508.2	452.1	398.0	367.1	355.5
75°	583.5	517.8	452.1	394.2	334.3	297.6	286.0
77.5°	537.1	469.5	400.0	336.2	280.2	233.8	218.3
80°	492.7	423.1	349.7	284.0	224.1	173.9	156.5
82.5°	446.3	380.6	305.3	235.7	173.9	121.7	100.5
85°	405.8	340.1	264.7	195.1	133.3	77.3	54.1
87.5°	372.9	301.4	233.8	164.2	100.5	44.4	15.5
90°	340.1	270.5	202.9	135.3	75.4	25.1	1.9
92.5°	311.1	245.4	177.8	115.9	58.0	17.4	1.9
95°	284.0	220.3	156.5	96.6	46.4	11.6	1.9
97.5°	258.9	199.0	139.1	83.1	38.6	9.7	1.9
100°	237.7	179.7	123.7	73.4	32.8	7.7	1.9
102.5°	216.4	162.3	110.1	63.8	29.0	5.8	1.9
105°	199.0	146.8	98.5	58.0	25.1	5.8	1.9
107.5°	181.6	133.3	88.9	50.2	21.3	3.9	1.9
110°	164.2	121.7	79.2	44.4	19.3	3.9	1.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	150.7	110.1	71.5	40.6	15.5	3.9	1.9
115°	137.2	98.5	63.8	34.8	13.5	1.9	1.9
117.5°	123.7	88.9	56.0	30.9	11.6	1.9	1.9
120°	112.1	79.2	50.2	27.1	9.7	1.9	1.9
122.5°	100.5	71.5	44.4	23.2	7.7	1.9	1.9
125°	90.8	63.8	38.6	19.3	5.8	1.9	1.9
127.5°	81.2	56.0	34.8	17.4	5.8	1.9	1.9
130°	71.5	50.2	29.0	13.5	3.9	1.9	1.9
132.5°	63.8	42.5	25.1	11.6	3.9	1.9	1.9
135°	56.0	36.7	21.3	7.7	3.9	1.9	1.9
137.5°	48.3	30.9	17.4	5.8	1.9	1.9	1.9
140°	40.6	27.1	13.5	5.8	1.9	1.9	1.9
142.5°	34.8	21.3	9.7	3.9	1.9	1.9	1.9
145°	27.1	17.4	7.7	3.9	1.9	1.9	1.9
147.5°	21.3	13.5	5.8	3.9	1.9	1.9	1.9
150°	15.5	9.7	5.8	1.9	1.9	1.9	1.9
152.5°	11.6	7.7	3.9	1.9	1.9	1.9	1.9
155°	7.7	5.8	3.9	1.9	1.9	1.9	1.9
157.5°	5.8	3.9	1.9	1.9	1.9	1.9	1.9
160°	3.9	1.9	1.9	1.9	1.9	1.9	1.9
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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)