

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P600977

Luminaire Tested: 8APVTL-D-SL3C3 LO POWER 5000K 277V

Issue Date: 1/11/2023

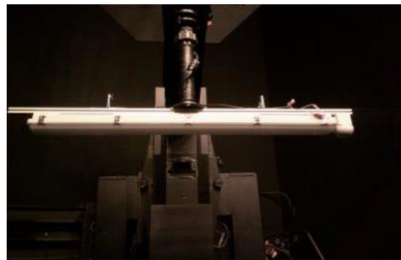
Test Information

Test Method: LM-79-2019
Report Number: P600977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (NTCLR22090026)
Test Lab: INNOVATION CENTER
Issue Date: 1/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8APVTLD-SL3C3 LO POWER 5000K 277V
Description: LOW POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

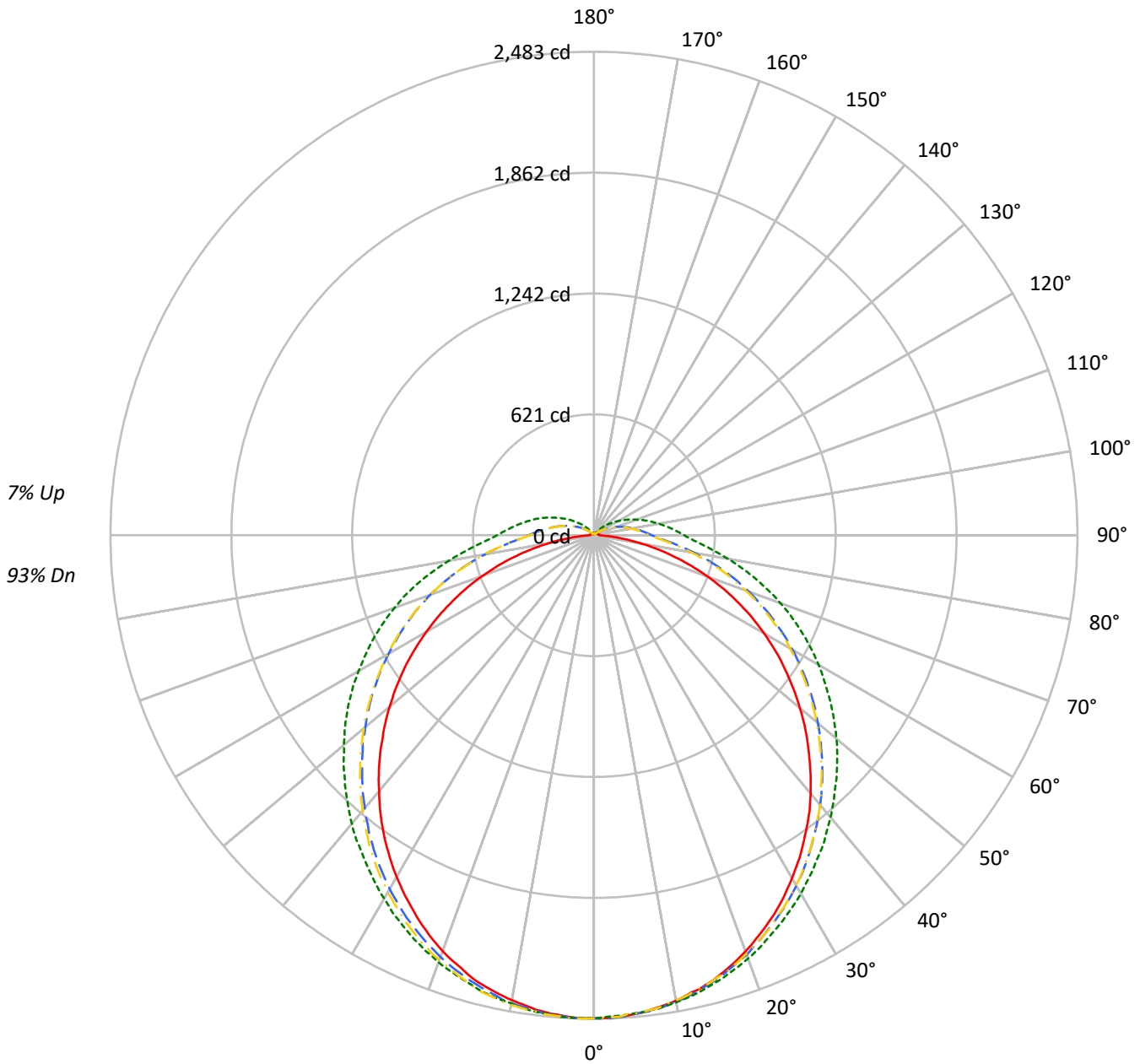
Lumens per Lamp: N/A
Luminaire Lumens: 8426.7 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): 277
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: 24 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - . - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	66	63	63	63	63	60
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	43	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10014	10014	10014	10014
5°	9990	9769	9988	9797
10°	9930	9563	9920	9587
15°	9862	9335	9854	9384
20°	9735	9108	9722	9192
25°	9597	8875	9566	8983
30°	9424	8659	9387	8775
35°	9236	8429	9198	8580
40°	9043	8237	8967	8426
45°	8807	8044	8743	8258
50°	8568	7865	8494	8111
55°	8297	7678	8238	8005
60°	8010	7509	7893	7863
65°	7642	7318	7482	7759
70°	7155	7130	6968	7619
75°	6458	6924	6247	7472
80°	5505	6731	5195	7277
85°	4279	6713	3807	7296

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 11896 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	2.8
10°-20°	670.9	8.0
20°-30°	1014.6	12.0
30°-40°	1226.5	14.6
40°-50°	1290.8	15.3
50°-60°	1212.6	14.4
60°-70°	1011.3	12.0
70°-80°	721.3	8.6
80°-90°	422.4	5.0
90°-100°	262.9	3.1
100°-110°	172.8	2.1
110°-120°	101.5	1.2
120°-130°	51.6	0.6
130°-140°	19.8	0.2
140°-150°	6.2	0.1
150°-160°	3.6	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	1920.2	22.8
0°-40°	3146.7	37.3
0°-60°	5650.1	67.1
0°-90°	7805.2	92.6
90°-120°	537.2	6.4
90°-150°	614.8	7.3
90°-180°	621.0	7.4
0°-180°	8426.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2481	2481	2481	2481	2481	
5°	2468	2464	2467	2471	2468	234
15°	2366	2384	2365	2396	2366	667
25°	2165	2225	2158	2252	2165	997
35°	1888	2010	1880	2046	1888	1182
45°	1559	1762	1548	1808	1559	1203
55°	1196	1480	1188	1544	1196	1070
65°	818	1177	801	1248	818	809
75°	430	858	416	926	430	456
85°	103	559	92	608	103	115
90°	31	463	23	497	31	19
95°	26	399	21	430	26	21
105°	22	286	18	316	22	24
115°	18	189	15	212	18	18
125°	14	110	12	127	14	13
135°	11	49	8	60	11	8
145°	8	8	6	14	8	5
155°	7	7	6	10	7	3
165°	7	6	9	8	7	2
175°	9	6	10	7	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8
1°	2481.0	2477.3	2482.9	2477.7	2477.5	2482.9	2480.2	2477.1	2480.8	2479.8	2481.7
2°	2478.7	2477.5	2481.5	2475.0	2472.9	2477.3	2477.3	2475.0	2480.8	2476.8	2481.9
3°	2477.5	2479.6	2479.0	2474.5	2471.4	2480.2	2476.8	2474.3	2477.0	2476.0	2481.0
4°	2472.8	2475.8	2474.7	2469.5	2467.4	2471.4	2465.7	2467.6	2471.6	2470.7	2473.3
5°	2467.8	2472.8	2466.5	2465.3	2463.6	2465.9	2464.6	2462.1	2467.2	2466.8	2470.3
6°	2462.5	2464.9	2462.3	2462.1	2460.9	2462.8	2458.8	2456.0	2460.9	2462.5	2469.7
7°	2453.7	2456.4	2461.9	2456.7	2455.4	2455.2	2454.6	2447.6	2455.0	2457.9	2458.8
8°	2445.3	2450.1	2451.6	2448.5	2449.9	2448.9	2447.4	2440.1	2443.0	2448.7	2453.5
9°	2437.5	2441.7	2442.2	2438.6	2443.0	2443.0	2435.0	2433.7	2433.8	2440.1	2446.4
10°	2427.2	2428.9	2430.6	2432.5	2435.9	2436.3	2425.1	2426.2	2424.7	2431.7	2440.3
11°	2415.2	2420.5	2424.7	2423.0	2427.0	2423.0	2416.7	2413.8	2414.0	2420.5	2433.3
12°	2401.4	2403.9	2410.8	2411.3	2418.6	2412.7	2404.5	2402.2	2402.2	2407.9	2417.1
13°	2394.0	2394.0	2398.6	2399.9	2408.5	2404.3	2389.2	2386.5	2390.4	2391.5	2404.7
14°	2379.3	2381.8	2384.6	2389.2	2394.4	2390.5	2379.9	2374.0	2377.8	2378.7	2393.8
15°	2366.5	2365.0	2373.0	2376.8	2383.5	2376.2	2368.6	2360.6	2364.6	2367.3	2379.5
16°	2348.2	2351.8	2360.4	2362.3	2371.3	2363.7	2352.0	2339.6	2346.5	2351.4	2368.6
17°	2330.8	2334.3	2340.6	2348.2	2356.6	2352.0	2341.0	2325.5	2326.3	2336.4	2352.0
18°	2313.9	2320.2	2324.4	2331.4	2342.5	2337.7	2323.4	2308.0	2308.9	2318.4	2337.7
19°	2294.2	2299.6	2309.5	2320.7	2329.1	2321.7	2305.7	2285.8	2292.5	2300.1	2321.9
20°	2275.0	2279.2	2292.7	2303.6	2313.3	2305.5	2288.5	2269.4	2271.9	2278.6	2304.9
21°	2254.4	2256.1	2271.5	2285.1	2298.0	2286.8	2269.2	2249.6	2251.5	2259.9	2286.4
22°	2231.8	2236.8	2253.8	2270.0	2281.3	2271.5	2250.5	2231.1	2229.4	2241.4	2268.3
23°	2209.5	2215.4	2231.8	2249.4	2260.8	2252.6	2232.0	2209.9	2205.9	2219.3	2249.2
24°	2187.6	2196.0	2210.5	2230.3	2241.4	2231.5	2213.3	2186.6	2182.4	2196.4	2229.2
25°	2165.3	2172.9	2190.3	2214.1	2225.0	2212.2	2189.3	2162.8	2158.2	2174.8	2208.2
26°	2141.6	2147.7	2168.3	2192.2	2206.7	2194.3	2166.6	2139.7	2131.7	2150.8	2189.1
27°	2116.6	2122.9	2148.3	2170.8	2184.9	2176.3	2145.3	2112.3	2105.8	2124.1	2166.6
28°	2088.8	2099.9	2125.0	2149.4	2165.9	2154.0	2123.3	2087.5	2080.6	2099.5	2143.7
29°	2061.5	2074.9	2102.0	2130.8	2146.8	2131.9	2098.5	2062.1	2052.6	2075.1	2120.6
30°	2034.1	2044.2	2078.1	2108.8	2126.0	2108.8	2075.4	2036.7	2026.2	2047.2	2097.6
31°	2005.8	2018.4	2054.7	2087.1	2100.8	2087.5	2052.2	2007.0	1999.3	2020.3	2072.0
32°	1978.4	1991.1	2029.1	2062.5	2079.1	2065.1	2025.9	1979.1	1970.0	1994.2	2047.4
33°	1950.5	1963.3	2003.0	2038.8	2058.1	2038.1	1998.6	1954.1	1939.3	1965.4	2023.2
34°	1919.4	1933.5	1974.4	2016.1	2033.7	2015.0	1972.4	1921.7	1910.3	1937.7	1997.2
35°	1888.1	1905.2	1946.7	1991.9	2010.0	1989.6	1945.7	1891.6	1880.3	1908.2	1971.5
36°	1857.7	1877.5	1919.0	1966.7	1990.2	1967.7	1917.3	1862.9	1848.5	1878.8	1943.3
37°	1828.3	1849.5	1891.7	1941.7	1966.3	1941.4	1888.3	1835.0	1817.6	1849.4	1917.9
38°	1798.0	1815.3	1864.8	1916.2	1938.1	1914.6	1863.0	1799.5	1783.9	1820.0	1886.4
39°	1763.2	1785.7	1836.5	1890.2	1915.0	1891.0	1835.4	1766.6	1750.8	1790.7	1860.2
40°	1731.2	1754.5	1807.3	1866.9	1891.1	1865.0	1806.3	1736.7	1716.7	1760.2	1830.2
41°	1695.7	1722.3	1779.8	1841.4	1864.1	1838.8	1774.4	1705.8	1684.7	1729.7	1802.1
42°	1662.4	1688.7	1747.4	1813.4	1840.3	1811.6	1743.2	1672.7	1651.0	1696.0	1775.2
43°	1627.1	1656.0	1719.8	1787.6	1810.2	1784.6	1713.5	1639.8	1617.6	1662.5	1744.3
44°	1592.9	1624.0	1688.1	1759.8	1786.8	1757.0	1683.9	1604.0	1582.6	1633.6	1713.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1558.9	1590.9	1660.0	1734.5	1761.5	1729.1	1650.8	1570.5	1547.6	1599.0	1683.9
46°	1524.2	1556.0	1626.7	1706.1	1734.3	1701.5	1621.0	1537.1	1510.9	1565.7	1655.6
47°	1489.8	1522.0	1594.8	1678.8	1707.4	1672.9	1586.7	1502.7	1478.5	1530.0	1624.2
48°	1454.5	1487.6	1566.1	1650.3	1681.7	1646.4	1554.9	1467.4	1441.9	1496.6	1598.3
49°	1418.5	1453.7	1533.2	1622.4	1654.5	1616.6	1522.5	1431.1	1406.8	1460.7	1563.4
50°	1381.4	1417.6	1501.0	1592.2	1625.7	1587.1	1492.4	1397.2	1369.4	1426.4	1531.9
51°	1345.3	1379.9	1471.9	1561.6	1597.4	1559.4	1460.7	1362.1	1332.7	1390.9	1503.9
52°	1307.8	1347.5	1439.9	1534.2	1567.5	1527.9	1426.4	1325.5	1296.9	1358.9	1471.8
53°	1270.7	1312.2	1407.7	1506.8	1539.7	1499.0	1396.4	1290.4	1259.3	1322.7	1441.1
54°	1233.5	1277.1	1375.4	1475.5	1509.7	1468.8	1362.1	1254.2	1222.7	1287.5	1410.7
55°	1196.5	1241.2	1342.6	1443.0	1480.5	1440.2	1329.9	1218.5	1188.0	1251.8	1379.3
56°	1161.9	1204.5	1310.5	1412.8	1448.3	1407.0	1296.6	1183.5	1147.9	1216.8	1346.1
57°	1123.5	1168.3	1276.1	1384.9	1420.4	1378.4	1264.0	1147.1	1110.3	1182.1	1314.6
58°	1085.9	1132.8	1243.7	1351.7	1391.5	1347.3	1230.3	1111.7	1071.5	1144.0	1283.5
59°	1048.2	1095.2	1211.2	1322.1	1363.7	1316.4	1198.1	1074.5	1033.6	1109.6	1250.0
60°	1010.1	1057.5	1177.7	1291.5	1332.9	1283.3	1164.2	1035.7	995.4	1075.1	1218.1
61°	971.3	1021.0	1145.5	1258.6	1301.2	1253.3	1133.1	1000.2	956.8	1038.6	1185.4
62°	934.5	984.9	1113.6	1228.7	1272.1	1222.7	1099.6	962.9	919.5	1001.9	1152.4
63°	895.5	949.2	1077.6	1193.9	1240.6	1188.6	1063.7	927.2	879.3	968.3	1120.6
64°	855.9	913.4	1044.7	1163.6	1210.6	1158.4	1030.5	891.1	839.2	932.1	1087.8
65°	818.0	876.2	1012.1	1133.6	1177.0	1124.0	997.8	855.0	800.9	895.5	1054.6
66°	779.0	841.3	979.7	1102.0	1146.8	1094.0	965.2	817.3	763.2	860.9	1024.4
67°	740.7	804.8	944.6	1071.6	1114.6	1061.7	930.6	783.0	725.3	825.8	992.9
68°	701.5	769.3	910.8	1036.9	1084.6	1028.9	897.3	747.1	685.8	789.6	959.8
69°	663.1	733.5	879.1	1005.0	1051.1	996.8	863.8	711.7	647.9	754.0	926.7
70°	623.6	698.1	846.2	970.8	1019.1	963.9	829.4	676.3	607.3	719.9	894.2
71°	583.6	663.3	812.5	939.5	987.6	931.1	795.8	640.5	568.1	684.5	860.4
72°	545.1	627.5	781.7	907.1	955.2	899.3	762.7	605.8	530.9	649.4	829.2
73°	506.2	592.1	748.5	871.1	922.0	867.3	730.0	569.5	492.8	614.4	795.2
74°	468.6	558.4	715.5	837.6	889.1	835.5	697.3	538.1	453.8	580.4	763.6
75°	430.2	523.8	682.3	804.4	858.2	804.2	664.5	502.0	416.1	545.3	729.3
76°	393.3	490.6	650.8	774.4	824.1	769.9	632.0	467.6	379.0	512.5	697.4
77°	356.4	458.4	618.7	744.5	793.8	741.1	601.5	434.9	342.1	478.9	665.3
78°	320.1	426.3	586.5	712.9	760.9	705.5	567.2	403.4	305.8	446.2	632.5
79°	284.7	394.8	555.0	681.6	731.8	678.6	538.9	372.3	270.6	414.4	601.0
80°	250.8	364.2	525.2	649.4	700.1	645.4	507.5	341.7	236.7	382.5	569.4
81°	217.5	335.1	495.0	620.7	669.7	617.9	479.8	312.7	204.1	353.3	540.7
82°	186.1	306.6	466.2	590.4	639.3	588.6	450.5	284.1	172.1	322.3	510.5
83°	156.3	279.4	438.5	562.3	611.2	561.1	423.5	257.6	142.0	295.5	482.9
84°	128.6	252.8	412.6	534.3	586.2	532.9	398.0	232.8	115.0	268.6	456.5
85°	103.4	228.4	388.5	509.5	559.1	508.9	374.9	210.2	92.0	243.4	431.7
86°	80.5	205.2	364.8	485.3	536.2	485.9	352.5	188.9	71.0	221.1	408.5
87°	60.5	184.9	341.8	461.4	512.6	463.9	331.4	169.6	52.1	201.3	385.8
88°	45.4	168.0	323.2	442.3	495.7	447.0	314.8	152.3	37.5	184.0	365.0
89°	35.2	153.9	309.7	425.5	476.0	428.1	299.3	138.9	27.6	167.9	347.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	30.7	143.7	296.8	412.3	463.4	416.0	287.5	129.3	23.3	155.4	333.5
91°	29.3	136.1	286.6	399.2	448.5	401.4	275.3	121.4	22.4	146.2	320.8
92°	28.6	128.3	276.1	387.4	437.1	390.9	268.0	114.5	21.9	138.2	309.6
93°	27.9	121.1	266.2	376.5	422.5	377.3	257.8	107.1	21.4	130.0	297.9
94°	27.2	114.4	256.4	364.7	410.9	366.8	247.9	101.1	21.4	121.8	287.3
95°	26.5	107.8	247.0	354.2	398.9	354.1	238.2	94.6	21.0	114.0	275.5
96°	26.3	100.8	237.9	343.3	385.7	343.8	230.0	88.9	19.6	107.2	265.2
97°	25.3	95.3	228.8	331.8	374.9	330.9	219.6	83.5	19.4	100.2	254.2
98°	24.9	89.8	219.4	322.1	361.8	321.3	211.5	78.2	18.9	94.0	244.5
99°	24.4	84.3	210.9	312.5	350.8	311.1	202.7	73.5	18.7	87.8	234.6
100°	24.0	79.5	201.9	301.8	338.6	301.0	193.8	69.1	18.0	81.9	224.3
101°	23.7	75.2	193.9	291.5	328.4	290.1	185.6	64.1	18.0	76.3	215.6
102°	23.7	70.8	185.7	280.3	315.8	279.8	177.9	60.1	18.0	71.9	205.2
103°	23.3	66.5	177.6	270.8	307.3	269.5	171.2	55.9	17.9	67.2	196.9
104°	22.8	62.4	169.9	260.5	294.5	258.6	163.2	51.7	17.9	62.6	188.6
105°	22.4	58.5	162.6	250.6	285.6	249.5	155.9	48.0	17.8	58.2	179.8
106°	21.9	54.3	155.2	240.5	273.9	239.3	148.2	44.6	17.8	54.0	171.9
107°	21.2	51.0	148.1	231.9	264.8	231.1	141.3	41.1	17.7	50.0	163.4
108°	20.7	47.5	140.7	222.1	253.5	221.1	133.9	37.9	17.5	45.9	155.5
109°	20.5	43.9	134.2	213.0	244.9	213.6	127.4	34.8	17.3	42.4	148.8
110°	20.3	40.6	127.5	204.3	233.5	204.3	120.3	31.7	16.6	38.6	140.2
111°	19.8	37.4	121.1	195.7	225.5	195.7	114.4	29.2	16.4	35.3	133.8
112°	19.1	34.6	114.7	187.7	215.1	186.7	108.1	26.0	16.4	32.2	126.0
113°	18.9	31.6	108.6	178.9	206.6	178.0	102.1	23.4	15.9	28.6	119.2
114°	18.7	29.3	102.9	170.5	197.4	168.8	96.2	20.9	15.7	26.0	113.1
115°	18.2	26.8	96.9	162.3	189.2	161.5	90.5	19.3	15.2	23.1	106.3
116°	17.7	24.5	91.4	154.8	180.0	152.4	84.6	17.9	14.8	21.0	99.9
117°	17.3	22.4	86.0	146.9	171.2	145.5	79.6	15.6	15.0	18.5	94.2
118°	17.1	21.0	80.8	139.5	163.4	137.6	74.9	14.9	14.7	16.6	87.9
119°	16.6	19.6	76.1	132.4	155.4	130.5	69.7	14.0	14.3	14.8	82.3
120°	16.4	18.9	70.9	125.2	148.2	123.3	64.9	14.0	14.0	14.1	76.3
121°	16.1	18.2	66.2	118.9	139.1	116.4	59.7	14.2	13.7	13.8	71.3
122°	15.7	18.0	61.4	111.6	132.9	109.8	55.2	13.8	13.4	13.8	66.6
123°	15.2	17.5	57.0	105.2	124.4	103.2	50.7	13.8	12.9	13.4	60.8
124°	14.5	17.1	52.3	98.8	117.8	96.3	46.0	12.7	12.0	13.2	56.1
125°	13.8	17.1	47.7	92.5	109.5	90.3	41.7	12.4	11.8	12.8	51.7
126°	13.6	16.6	43.5	86.3	103.8	83.7	37.4	12.0	11.5	12.4	46.3
127°	13.1	16.2	39.2	80.5	96.0	77.8	33.3	11.5	10.8	12.0	41.7
128°	12.9	15.7	35.2	75.3	90.5	72.5	30.0	11.0	10.5	11.7	37.2
129°	12.4	15.3	31.5	69.3	83.0	66.6	25.8	10.8	10.1	11.4	33.0
130°	12.2	14.9	28.0	63.7	77.9	61.1	22.8	10.6	9.7	11.1	29.0
131°	11.8	14.4	24.5	58.5	71.1	55.7	19.3	10.3	9.4	10.7	24.8
132°	11.5	14.0	21.3	53.1	66.3	50.2	16.3	10.1	9.0	10.5	22.2
133°	11.3	13.6	18.3	48.0	59.9	45.4	13.9	9.9	8.5	10.3	17.8
134°	10.8	13.2	15.8	43.4	54.9	40.1	11.2	9.6	7.8	10.1	14.4



TEST NUMBER: P600977

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	10.8	12.9	14.1	38.7	48.8	35.9	10.2	9.4	7.8	9.9	11.9
136°	10.6	12.5	13.2	34.1	43.8	31.3	9.5	8.7	7.7	9.7	10.7
137°	10.1	12.5	12.5	29.9	38.3	26.9	9.1	8.5	7.7	8.8	10.7
138°	9.9	11.8	12.5	26.0	34.0	23.0	8.6	8.0	7.6	8.3	9.0
139°	9.7	11.8	12.1	22.0	28.7	19.2	7.9	7.6	7.6	8.1	8.4
140°	9.5	11.3	11.6	18.5	24.9	15.7	7.7	7.4	7.5	7.6	8.3
141°	9.2	10.6	11.6	15.3	20.3	12.5	7.4	6.9	7.4	7.4	8.1
142°	8.9	10.4	11.1	13.0	16.3	10.3	7.0	6.7	7.4	7.2	8.0
143°	8.7	9.9	10.9	11.6	12.6	8.7	6.9	6.9	7.1	7.4	7.8
144°	8.4	9.9	10.4	11.4	10.2	8.2	6.8	6.7	6.5	7.2	7.7
145°	8.1	9.9	10.0	10.9	7.9	7.7	6.7	6.9	6.4	7.2	7.6
146°	7.8	9.5	9.7	10.7	7.5	7.5	6.6	6.4	6.3	7.2	7.4
147°	7.7	8.8	9.5	10.5	7.4	7.4	6.5	6.4	6.2	7.2	7.4
148°	7.6	8.8	9.3	10.3	7.3	7.3	6.5	6.4	6.2	7.2	7.6
149°	7.4	8.3	8.8	10.2	7.2	7.1	6.1	6.4	6.3	7.2	7.4
150°	7.3	8.3	9.0	10.0	7.1	7.0	5.8	6.4	6.3	7.2	7.4
151°	7.1	8.1	8.9	9.5	7.0	6.9	5.8	6.4	6.3	7.2	7.3
152°	7.1	7.6	8.7	9.5	6.8	6.8	5.9	6.4	6.4	7.2	7.2
153°	6.9	7.7	8.5	9.0	6.7	6.7	6.0	6.4	6.4	7.2	7.1
154°	6.9	7.7	8.3	8.8	6.7	6.6	6.0	6.4	6.4	7.2	7.0
155°	6.9	7.7	8.1	8.8	6.7	6.4	6.1	6.4	6.5	7.2	7.0
156°	6.9	7.8	8.1	8.6	6.6	6.5	6.2	6.4	6.5	7.2	6.9
157°	6.9	7.8	8.1	8.5	6.6	6.5	6.2	6.4	6.5	7.2	6.8
158°	6.9	7.8	8.1	8.4	6.6	6.5	6.3	6.4	6.6	7.2	6.7
159°	6.9	8.1	8.1	8.4	6.5	6.6	6.4	6.4	6.6	7.2	6.6
160°	7.0	8.1	8.1	8.3	6.5	6.6	6.4	6.4	6.7	7.2	6.5
161°	7.0	8.1	8.1	8.2	6.5	6.6	6.5	6.7	6.7	7.6	7.4
162°	7.1	8.1	8.1	8.1	6.4	6.6	6.6	7.3	7.4	7.8	8.3
163°	7.2	8.2	8.1	8.1	6.4	6.7	6.7	7.6	8.3	8.5	8.6
164°	7.2	8.2	8.1	7.7	6.4	6.7	6.8	7.8	8.8	8.8	9.0
165°	7.3	8.2	8.1	7.7	6.3	6.7	6.9	8.0	9.2	8.8	9.3
166°	7.5	8.2	8.1	7.6	6.3	6.7	6.9	8.5	9.5	9.0	9.3
167°	7.6	8.2	8.1	7.5	6.2	6.8	7.0	8.7	9.9	9.0	10.0
168°	7.8	8.3	8.1	7.5	6.2	6.8	7.1	8.7	10.6	9.0	10.4
169°	8.0	8.3	8.1	7.4	6.2	6.8	7.2	8.7	10.6	9.1	10.4
170°	8.1	8.3	8.1	7.3	6.1	6.9	7.4	8.7	10.5	9.1	10.7
171°	8.3	8.8	8.1	7.3	6.2	6.9	7.4	8.6	10.5	9.1	10.7
172°	8.5	9.5	8.1	7.4	6.3	6.9	7.5	8.6	10.5	9.1	11.1
173°	8.8	9.9	8.1	7.4	6.4	6.9	7.6	8.6	10.5	9.1	11.8
174°	9.0	11.1	8.1	7.4	6.5	7.0	7.7	8.6	10.4	9.2	11.6
175°	9.2	10.9	8.1	7.4	6.5	7.0	7.8	8.5	10.4	9.2	11.6
176°	9.4	11.1	8.1	7.4	6.5	7.2	7.9	8.5	10.4	9.2	11.4
177°	9.2	11.3	8.1	7.4	6.5	7.5	7.9	8.5	10.4	9.2	11.6
178°	9.2	11.3	8.1	7.4	6.8	7.2	7.9	8.5	10.4	9.2	11.4
179°	9.2	11.3	8.1	7.4	7.0	7.2	7.9	8.5	10.4	9.2	11.4



TEST NUMBER: P600977
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2

TEST NUMBER: P600977

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2480.8	2480.8	2480.8	2480.8	2480.8	2480.8
1°	2478.7	2480.2	2483.8	2482.3	2480.8	2481.0
2°	2478.9	2479.8	2483.1	2482.1	2481.0	2478.7
3°	2476.0	2480.2	2483.4	2482.3	2479.6	2477.5
4°	2474.3	2479.6	2481.3	2476.6	2473.9	2472.8
5°	2471.0	2470.8	2481.3	2475.4	2470.8	2467.8
6°	2466.3	2468.6	2475.8	2472.4	2467.8	2462.5
7°	2463.8	2465.7	2469.7	2464.7	2459.8	2453.7
8°	2455.0	2460.4	2467.4	2461.7	2452.0	2445.3
9°	2449.7	2453.7	2459.0	2454.3	2443.6	2437.5
10°	2444.5	2442.0	2451.4	2450.1	2433.8	2427.2
11°	2436.3	2435.2	2441.9	2442.0	2423.5	2415.2
12°	2427.0	2429.8	2433.1	2431.4	2414.2	2401.4
13°	2416.7	2419.2	2425.1	2422.4	2400.1	2394.0
14°	2407.3	2411.0	2413.4	2413.2	2386.7	2379.3
15°	2395.9	2396.1	2404.5	2398.9	2374.1	2366.5
16°	2382.2	2384.1	2392.8	2382.3	2359.6	2348.2
17°	2370.3	2372.2	2379.5	2367.7	2345.0	2330.8
18°	2356.2	2359.5	2366.3	2351.8	2326.6	2313.9
19°	2339.8	2348.0	2352.8	2336.4	2306.4	2294.2
20°	2326.8	2334.7	2336.6	2321.3	2286.2	2275.0
21°	2308.0	2317.3	2322.8	2306.0	2267.9	2254.4
22°	2290.0	2303.8	2304.5	2287.2	2246.7	2231.8
23°	2271.7	2285.6	2291.2	2270.0	2225.2	2209.5
24°	2255.7	2270.6	2271.1	2248.6	2203.6	2187.6
25°	2232.8	2252.1	2250.4	2227.7	2181.1	2165.3
26°	2215.3	2233.8	2232.2	2207.8	2158.4	2141.6
27°	2197.5	2214.7	2215.6	2184.5	2135.9	2116.6
28°	2179.0	2198.5	2194.3	2161.8	2108.2	2088.8
29°	2161.7	2175.4	2172.5	2139.1	2082.3	2061.5
30°	2139.5	2154.4	2150.6	2116.1	2057.3	2034.1
31°	2117.6	2135.5	2130.9	2091.5	2030.0	2005.8
32°	2096.0	2113.6	2110.3	2067.8	1999.1	1978.4
33°	2072.8	2090.3	2088.6	2043.4	1975.7	1950.5
34°	2050.3	2068.4	2066.5	2016.3	1947.5	1919.4
35°	2025.3	2046.1	2042.4	1989.0	1915.4	1888.1
36°	2001.8	2023.9	2017.8	1963.5	1888.8	1857.7
37°	1975.7	2002.0	1993.2	1932.0	1857.9	1828.3
38°	1952.0	1982.2	1967.9	1906.2	1827.3	1798.0
39°	1928.2	1959.3	1944.6	1877.6	1798.4	1763.2
40°	1904.6	1934.5	1918.5	1848.3	1767.8	1731.2
41°	1878.1	1909.5	1892.5	1818.6	1734.9	1695.7
42°	1853.9	1884.6	1868.0	1789.4	1703.5	1662.4
43°	1825.9	1858.9	1841.5	1758.3	1671.3	1627.1
44°	1801.9	1834.2	1814.3	1729.3	1639.0	1592.9

TEST NUMBER: P600977

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1774.1	1808.2	1788.9	1698.0	1606.1	1558.9
46°	1744.0	1780.3	1762.0	1668.2	1572.0	1524.2
47°	1717.8	1756.9	1734.4	1638.2	1537.2	1489.8
48°	1691.5	1730.0	1705.9	1605.0	1503.4	1454.5
49°	1666.4	1700.4	1675.6	1574.0	1469.9	1418.5
50°	1635.7	1676.5	1648.5	1543.5	1434.7	1381.4
51°	1610.8	1648.1	1618.6	1514.0	1400.0	1345.3
52°	1580.8	1625.1	1588.6	1482.1	1364.2	1307.8
53°	1552.0	1597.4	1561.2	1448.8	1329.1	1270.7
54°	1522.7	1569.0	1533.1	1417.2	1295.8	1233.5
55°	1495.5	1543.6	1503.5	1387.4	1258.7	1196.5
56°	1464.3	1513.0	1471.3	1353.1	1224.8	1161.9
57°	1435.0	1483.5	1440.7	1320.2	1189.4	1123.5
58°	1405.8	1457.1	1409.8	1287.2	1153.6	1085.9
59°	1376.4	1424.8	1379.0	1257.0	1119.0	1048.2
60°	1346.1	1395.8	1349.1	1223.0	1082.8	1010.1
61°	1312.7	1364.9	1316.6	1190.7	1045.1	971.3
62°	1283.3	1335.1	1288.1	1158.5	1010.2	934.5
63°	1254.6	1306.3	1256.9	1126.9	972.9	895.5
64°	1223.6	1277.0	1227.9	1092.1	936.9	855.9
65°	1189.3	1247.9	1195.2	1060.0	901.0	818.0
66°	1159.8	1214.8	1162.0	1026.6	865.1	779.0
67°	1127.2	1184.2	1131.8	994.1	828.2	740.7
68°	1096.8	1153.5	1096.8	961.3	791.4	701.5
69°	1063.5	1121.6	1066.9	928.0	756.1	663.1
70°	1031.0	1089.0	1035.9	893.8	722.2	623.6
71°	997.6	1058.3	1002.7	859.7	685.6	583.6
72°	967.2	1028.2	971.3	826.7	651.0	545.1
73°	933.3	993.7	937.2	793.1	615.5	506.2
74°	902.3	962.7	907.5	761.1	580.2	468.6
75°	870.7	926.1	873.7	727.8	546.7	430.2
76°	839.0	893.7	843.0	695.8	513.6	393.3
77°	809.0	857.5	811.1	664.0	479.8	356.4
78°	776.7	823.7	779.1	631.8	446.4	320.1
79°	746.6	790.6	748.1	600.4	414.7	284.7
80°	714.2	756.9	716.9	570.2	383.2	250.8
81°	683.8	725.8	686.3	540.7	352.8	217.5
82°	653.2	693.4	654.6	511.9	323.7	186.1
83°	626.6	664.2	625.8	484.1	295.4	156.3
84°	598.3	635.3	597.1	456.7	269.0	128.6
85°	571.5	607.7	568.6	431.5	243.7	103.4
86°	548.3	580.3	544.1	407.0	220.4	80.5
87°	525.6	556.4	519.3	383.2	197.1	60.5
88°	504.6	533.5	496.6	361.3	179.7	45.4
89°	484.7	514.8	478.1	344.4	163.8	35.2

TEST NUMBER: P600977

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	468.9	496.7	459.7	328.2	151.7	30.7
91°	452.4	482.9	445.3	316.1	142.3	29.3
92°	440.5	468.2	432.7	304.2	134.5	28.6
93°	425.9	455.4	418.7	293.6	126.3	27.9
94°	413.2	441.9	406.3	282.0	119.1	27.2
95°	399.2	429.6	393.6	271.1	112.0	26.5
96°	386.8	417.0	380.3	261.4	105.1	26.3
97°	373.2	405.2	368.3	251.1	98.3	25.3
98°	361.5	393.5	356.7	241.8	91.9	24.9
99°	348.2	381.1	344.9	232.4	86.4	24.4
100°	337.7	369.4	334.3	222.4	80.9	24.0
101°	324.4	358.4	322.5	212.6	76.5	23.7
102°	313.5	347.5	311.3	203.9	71.9	23.7
103°	301.8	336.1	300.1	195.0	67.0	23.3
104°	291.4	326.1	288.8	186.8	62.7	22.8
105°	280.0	316.5	278.3	178.5	58.8	22.4
106°	269.2	306.0	267.9	170.0	54.4	21.9
107°	258.4	295.4	258.5	162.0	50.5	21.2
108°	247.5	284.7	248.7	153.9	47.1	20.7
109°	238.0	273.2	239.3	146.6	43.7	20.5
110°	229.0	262.7	229.4	139.3	40.4	20.3
111°	217.7	251.8	219.3	131.9	37.0	19.8
112°	208.8	241.3	209.6	125.0	34.4	19.1
113°	199.6	231.4	200.3	118.5	31.7	18.9
114°	190.7	221.9	191.6	111.9	29.0	18.7
115°	182.0	212.1	182.1	105.6	26.6	18.2
116°	173.3	202.6	173.7	99.5	24.3	17.7
117°	164.9	193.9	165.0	93.7	22.3	17.3
118°	156.7	184.7	157.6	88.1	21.1	17.1
119°	148.2	175.9	149.3	82.6	20.2	16.6
120°	140.6	166.9	141.5	77.9	20.0	16.4
121°	132.5	158.9	134.0	72.5	19.3	16.1
122°	125.5	150.9	126.2	67.4	18.8	15.7
123°	117.9	142.6	119.3	62.3	18.8	15.2
124°	110.4	134.4	111.7	57.3	18.6	14.5
125°	104.3	127.1	105.5	52.7	17.9	13.8
126°	96.8	118.9	98.4	48.0	17.7	13.6
127°	90.4	112.3	91.6	43.5	17.5	13.1
128°	84.0	104.7	85.4	39.3	16.8	12.9
129°	77.2	98.1	78.7	35.1	16.5	12.4
130°	71.8	91.2	73.2	31.1	16.3	12.2
131°	65.9	84.3	67.1	27.5	15.6	11.8
132°	59.7	78.1	61.4	24.2	15.2	11.5
133°	54.5	72.0	55.5	20.9	14.7	11.3
134°	48.5	65.8	50.2	17.9	14.5	10.8

TEST NUMBER: P600977

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	43.5	59.9	45.2	16.0	14.0	10.8
136°	38.4	54.1	39.9	14.9	13.6	10.6
137°	33.0	48.7	35.4	14.2	12.9	10.1
138°	28.6	43.4	30.6	13.7	12.6	9.9
139°	23.9	38.2	26.6	13.4	12.2	9.7
140°	19.7	33.2	22.4	13.0	11.7	9.5
141°	15.9	28.6	18.7	12.6	11.5	9.2
142°	11.9	24.3	15.4	12.2	11.3	8.9
143°	9.8	20.2	13.6	11.9	11.0	8.7
144°	8.8	16.4	12.8	11.6	10.1	8.4
145°	8.1	13.6	12.4	11.4	10.3	8.1
146°	7.9	12.2	12.2	10.7	10.1	7.8
147°	7.7	11.9	11.9	10.5	9.8	7.7
148°	7.4	11.5	11.4	10.2	9.5	7.6
149°	7.0	11.2	11.2	9.8	9.2	7.4
150°	7.2	10.8	11.2	9.5	9.0	7.3
151°	7.0	10.5	10.7	9.5	8.8	7.1
152°	6.7	10.3	10.3	9.3	8.6	7.1
153°	6.7	10.1	10.3	9.3	8.4	6.9
154°	6.8	9.8	10.1	9.2	8.4	6.9
155°	6.8	9.6	10.0	9.2	8.5	6.9
156°	6.8	9.1	9.9	9.2	8.5	6.9
157°	6.8	9.1	9.7	9.2	8.5	6.9
158°	6.8	8.9	9.6	9.1	8.5	6.9
159°	6.9	9.1	9.3	9.1	8.5	6.9
160°	6.9	8.7	9.1	9.1	8.6	7.0
161°	6.9	8.9	8.9	9.0	8.6	7.0
162°	6.9	8.6	9.1	9.0	8.6	7.1
163°	7.4	8.6	9.0	9.0	8.6	7.2
164°	7.2	8.4	9.0	9.0	8.7	7.2
165°	7.4	8.2	8.9	8.9	8.7	7.3
166°	7.7	7.9	8.8	8.9	8.7	7.5
167°	8.1	7.9	8.7	8.9	8.7	7.6
168°	8.3	8.2	8.6	8.9	9.0	7.8
169°	8.3	7.7	8.4	8.8	9.4	8.0
170°	8.3	7.5	8.2	8.8	9.4	8.1
171°	8.3	7.5	8.1	8.8	9.7	8.3
172°	8.2	7.7	8.1	8.7	10.1	8.5
173°	8.2	7.2	8.0	8.7	10.1	8.8
174°	8.2	7.2	8.0	8.7	10.1	9.0
175°	8.2	7.0	7.9	8.7	10.3	9.2
176°	8.1	7.0	7.9	8.6	10.3	9.4
177°	8.1	7.0	7.9	8.6	10.3	9.2
178°	8.1	7.0	7.9	8.6	10.3	9.2
179°	8.1	7.0	7.9	8.6	10.3	9.2



TEST NUMBER: P600977
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	9.2	9.2	9.2	9.2	9.2	9.2

(END OF REPORT)