

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P212818

Luminaire Tested: **LD6B30D010 EU6B30509040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30D010 EU6B30509040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2450.1 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

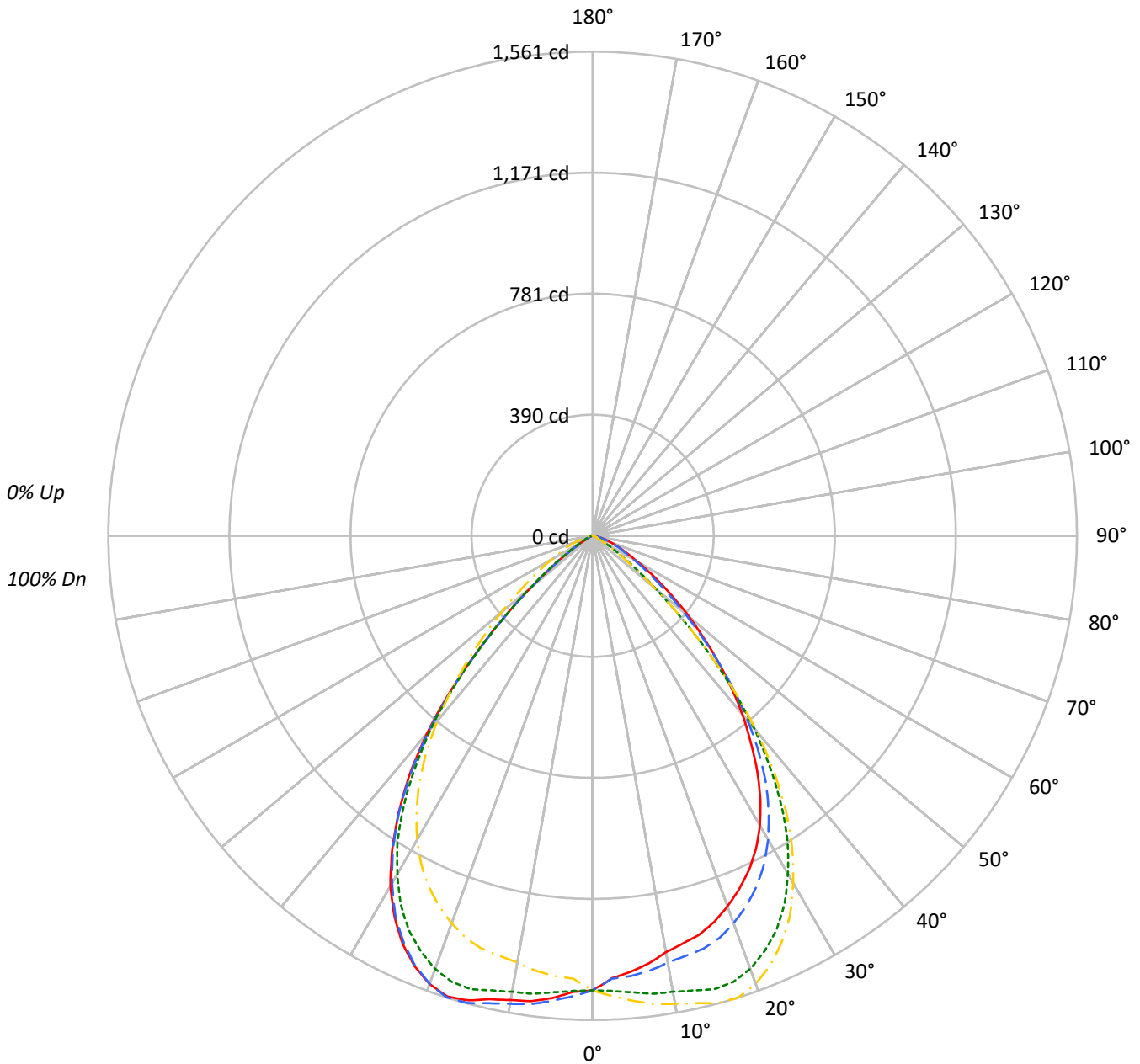
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91								
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82								
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73								
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66								
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60								
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54								
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49								
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45								
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42								
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	80333	80333	80333	80333
5°	77636	81301	82330	81301
10°	75878	83092	84612	83092
15°	75523	85880	88008	85880
20°	74148	86685	89672	86685
25°	72028	84821	87713	84821
30°	68251	79696	82506	79696
35°	61877	71012	72953	71012
40°	53715	57866	59333	57866
45°	44043	39942	40206	39942
50°	34626	22404	21969	22404
55°	25595	11087	9949	11087
60°	18145	4868	3552	4868
65°	13503	3100	2218	3100
70°	9841	2468	1635	2468
75°	7223	1800	1080	1800
80°	4862	1610	537	1610
85°	3208	1069	1069	1069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	5.7
10°-20°	415.5	17.0
20°-30°	620.1	25.3
30°-40°	637.0	26.0
40°-50°	412.5	16.8
50°-60°	153.4	6.3
60°-70°	50.3	2.1
70°-80°	17.7	0.7
80°-90°	3.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1175.8	48.0
0°-40°	1812.9	74.0
0°-60°	2378.8	97.1
0°-90°	2450.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2450.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1465	1465	1465	1465	1465	
5°	1411	1477	1496	1477	1411	133
15°	1331	1513	1551	1513	1331	374
25°	1191	1402	1450	1402	1191	546
35°	925	1061	1090	1061	925	574
45°	568	515	519	515	568	439
55°	268	116	104	116	268	244
65°	104	24	17	24	104	106
75°	34	8	5	8	34	38
85°	5	2	2	2	5	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4
2.5°	1427.9	1448.4	1434.7	1443.3	1429.6	1429.6	1456.9	1441.5	1453.5	1441.5	1429.6
5°	1410.8	1436.4	1419.4	1427.9	1416.0	1417.7	1443.3	1431.3	1443.3	1434.7	1424.5
7.5°	1390.4	1416.0	1400.6	1409.1	1397.2	1400.6	1427.9	1416.0	1429.6	1421.1	1414.3
10°	1363.1	1390.4	1376.7	1385.3	1375.0	1376.7	1404.0	1395.5	1407.4	1402.3	1397.2
12.5°	1346.0	1371.6	1356.2	1364.8	1358.0	1361.4	1387.0	1380.1	1395.5	1390.4	1387.0
15°	1330.7	1354.5	1340.9	1349.4	1344.3	1346.0	1373.3	1366.5	1383.5	1380.1	1378.4
17.5°	1305.1	1330.7	1315.3	1325.5	1320.4	1322.1	1349.4	1344.3	1361.4	1361.4	1359.7
20°	1271.0	1296.5	1284.6	1291.4	1288.0	1291.4	1315.3	1311.9	1329.0	1329.0	1329.0
22.5°	1233.4	1259.0	1245.4	1252.2	1248.8	1253.9	1276.1	1276.1	1289.7	1291.4	1293.1
25°	1190.8	1216.4	1202.7	1211.2	1207.8	1211.2	1231.7	1233.4	1245.4	1245.4	1248.8
27.5°	1139.6	1165.2	1151.5	1158.4	1156.7	1158.4	1180.5	1183.9	1190.8	1192.5	1195.9
30°	1078.2	1102.1	1088.4	1095.2	1095.2	1095.2	1117.4	1119.1	1125.9	1127.6	1131.1
32.5°	1006.5	1027.0	1016.8	1023.6	1021.9	1025.3	1040.6	1047.5	1056.0	1054.3	1056.0
35°	924.6	946.8	936.6	941.7	943.4	948.5	958.8	967.3	969.0	970.7	974.1
37.5°	835.9	858.1	847.9	853.0	854.7	864.9	868.3	876.9	880.3	880.3	880.3
40°	750.6	760.9	752.3	757.5	759.2	767.7	771.1	777.9	781.3	779.6	777.9
42.5°	658.5	667.0	658.5	663.6	663.6	670.4	672.2	680.7	680.7	677.3	672.2
45°	568.1	576.6	568.1	571.5	571.5	578.3	578.3	578.3	581.7	576.6	568.1
47.5°	482.8	491.3	482.8	486.2	484.5	489.6	487.9	489.6	484.5	481.1	470.8
50°	406.0	409.4	406.0	404.3	406.0	409.4	407.7	407.7	400.9	395.8	383.8
52.5°	331.0	336.1	331.0	331.0	331.0	334.4	334.4	332.7	325.8	319.0	307.1
55°	267.8	271.2	269.5	267.8	267.8	271.2	267.8	267.8	261.0	255.9	244.0
57.5°	213.2	215.0	213.2	213.2	213.2	215.0	215.0	211.5	206.4	201.3	192.8
60°	165.5	167.2	167.2	165.5	165.5	168.9	168.9	167.2	162.1	158.7	150.1
62.5°	131.4	131.4	131.4	131.4	131.4	133.1	133.1	133.1	129.7	126.2	119.4
65°	104.1	105.8	104.1	104.1	105.8	107.5	105.8	107.5	104.1	102.4	97.2
67.5°	80.2	81.9	80.2	81.9	81.9	83.6	81.9	83.6	80.2	78.5	75.1
70°	61.4	61.4	61.4	61.4	61.4	63.1	61.4	63.1	61.4	59.7	56.3
72.5°	46.1	46.1	47.8	47.8	46.1	47.8	46.1	46.1	46.1	44.4	42.6
75°	34.1	34.1	35.8	34.1	34.1	34.1	34.1	34.1	32.4	32.4	30.7
77.5°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	22.2	22.2	20.5
80°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	13.6	13.6
82.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	8.5	8.5
85°	5.1	5.1	5.1	6.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	1.7	1.7	1.7	3.4	1.7	1.7	3.4	3.4	1.7	1.7	1.7
90°	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4
2.5°	1443.3	1448.4	1448.4	1443.3	1455.2	1445.0	1465.4	1446.7	1451.8	1468.8	1467.1
5°	1438.1	1445.0	1446.7	1443.3	1458.6	1450.1	1470.5	1451.8	1460.3	1477.4	1477.4
7.5°	1431.3	1439.8	1443.3	1446.7	1460.3	1451.8	1475.7	1456.9	1468.8	1489.3	1487.6
10°	1416.0	1427.9	1434.7	1439.8	1453.5	1448.4	1474.0	1458.6	1468.8	1492.7	1491.0
12.5°	1407.4	1421.1	1431.3	1439.8	1455.2	1451.8	1477.4	1463.7	1477.4	1501.3	1501.3
15°	1400.6	1416.0	1427.9	1443.3	1458.6	1455.2	1482.5	1470.5	1484.2	1513.2	1511.5
17.5°	1383.5	1402.3	1414.3	1431.3	1446.7	1445.0	1474.0	1465.4	1480.8	1508.1	1509.8
20°	1354.5	1371.6	1385.3	1405.7	1422.8	1419.4	1450.1	1441.5	1456.9	1485.9	1487.6
22.5°	1317.0	1334.1	1347.7	1369.9	1385.3	1383.5	1414.3	1405.7	1421.1	1448.4	1450.1
25°	1272.7	1288.0	1301.7	1322.1	1339.2	1339.2	1366.5	1358.0	1375.0	1402.3	1402.3
27.5°	1218.1	1231.7	1243.7	1267.5	1281.2	1281.2	1306.8	1298.2	1315.3	1339.2	1337.5
30°	1151.5	1163.5	1173.7	1194.2	1206.1	1207.8	1230.0	1221.5	1238.5	1259.0	1259.0
32.5°	1071.4	1083.3	1090.1	1115.7	1124.2	1122.5	1139.6	1131.1	1148.1	1170.3	1165.2
35°	986.1	991.2	996.3	1021.9	1025.3	1018.5	1035.5	1027.0	1038.9	1061.1	1057.7
37.5°	888.8	890.5	890.5	912.7	914.4	909.3	919.5	909.3	917.8	938.3	936.6
40°	781.3	779.6	777.9	795.0	793.3	783.0	789.9	781.3	793.3	808.6	800.1
42.5°	672.2	667.0	660.2	668.7	661.9	653.4	656.8	643.2	651.7	663.6	653.4
45°	564.7	554.4	540.8	542.5	534.0	523.7	518.6	505.0	503.3	515.2	506.7
47.5°	464.0	443.6	431.6	424.8	411.1	402.6	392.4	377.0	370.2	377.0	368.5
50°	373.6	353.1	337.8	322.4	308.8	298.5	281.5	271.2	261.0	262.7	255.9
52.5°	295.1	281.5	255.9	244.0	230.3	218.4	203.0	191.1	179.1	179.1	172.3
55°	233.7	215.0	197.9	180.8	167.2	156.9	141.6	129.7	117.7	116.0	109.2
57.5°	180.8	167.2	148.4	131.4	122.8	112.6	97.2	83.6	76.8	71.7	66.5
60°	139.9	126.2	110.9	97.2	87.0	80.2	64.8	54.6	47.8	44.4	39.2
62.5°	112.6	100.7	87.0	73.4	66.5	59.7	47.8	39.2	32.4	29.0	25.6
65°	90.4	80.2	69.9	59.7	54.6	47.8	39.2	32.4	27.3	23.9	20.5
67.5°	69.9	63.1	54.6	47.8	42.6	37.5	30.7	25.6	22.2	18.8	17.1
70°	52.9	47.8	42.6	35.8	32.4	29.0	23.9	18.8	17.1	15.4	13.6
72.5°	40.9	35.8	30.7	27.3	23.9	22.2	18.8	15.4	13.6	11.9	10.2
75°	27.3	25.6	22.2	18.8	17.1	15.4	13.6	11.9	10.2	8.5	8.5
77.5°	18.8	17.1	15.4	13.6	11.9	11.9	10.2	8.5	6.8	6.8	5.1
80°	11.9	10.2	10.2	8.5	8.5	8.5	6.8	5.1	5.1	5.1	3.4
82.5°	8.5	6.8	6.8	5.1	5.1	5.1	5.1	3.4	3.4	3.4	1.7
85°	5.1	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
90°	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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4
2.5°	1453.5	1468.8	1468.8	1482.5	1484.2	1480.8	1465.4	1465.4	1485.9	1497.8	1477.4
5°	1467.1	1482.5	1482.5	1496.1	1503.0	1497.8	1482.5	1484.2	1504.7	1518.3	1497.8
7.5°	1479.1	1494.4	1497.8	1513.2	1518.3	1513.2	1497.8	1501.3	1523.4	1535.4	1514.9
10°	1484.2	1499.6	1501.3	1518.3	1525.1	1518.3	1506.4	1508.1	1532.0	1540.5	1521.7
12.5°	1496.1	1511.5	1511.5	1530.3	1537.1	1532.0	1516.6	1520.0	1543.9	1552.4	1533.7
15°	1508.1	1523.4	1523.4	1543.9	1552.4	1545.6	1533.7	1535.4	1559.3	1567.8	1552.4
17.5°	1508.1	1521.7	1521.7	1543.9	1552.4	1547.3	1533.7	1535.4	1561.0	1567.8	1552.4
20°	1485.9	1501.3	1497.8	1520.0	1528.6	1523.4	1511.5	1511.5	1537.1	1543.9	1528.6
22.5°	1450.1	1463.7	1460.3	1480.8	1491.0	1484.2	1474.0	1472.3	1497.8	1504.7	1489.3
25°	1400.6	1414.3	1410.8	1431.3	1441.5	1433.0	1421.1	1422.8	1443.3	1453.5	1439.8
27.5°	1342.6	1351.1	1346.0	1366.5	1376.7	1368.2	1356.2	1358.0	1378.4	1385.3	1375.0
30°	1264.1	1271.0	1265.8	1282.9	1289.7	1284.6	1274.4	1274.4	1293.1	1301.7	1291.4
32.5°	1170.3	1175.4	1170.3	1183.9	1197.6	1187.4	1177.1	1177.1	1197.6	1204.4	1192.5
35°	1061.1	1066.2	1062.8	1076.5	1086.7	1073.1	1064.5	1061.1	1088.4	1085.0	1078.2
37.5°	940.0	943.4	933.2	957.1	962.2	946.8	940.0	936.6	960.5	958.8	951.9
40°	803.5	806.9	800.1	817.2	818.9	806.9	801.8	796.7	820.6	818.9	813.7
42.5°	658.5	660.2	651.7	665.3	668.7	656.8	655.1	648.3	670.4	667.0	665.3
45°	508.4	508.4	501.6	511.8	515.2	505.0	501.6	499.9	515.2	515.2	511.8
47.5°	368.5	363.4	354.8	370.2	371.9	365.1	363.4	358.3	373.6	373.6	370.2
50°	252.5	250.8	249.1	252.5	254.2	245.7	250.8	245.7	254.2	254.2	254.2
52.5°	168.9	167.2	163.8	167.2	167.2	162.1	162.1	160.4	167.2	167.2	163.8
55°	105.8	104.1	102.4	104.1	104.1	98.9	102.4	98.9	102.4	102.4	100.7
57.5°	64.8	61.4	61.4	59.7	59.7	56.3	58.0	58.0	58.0	58.0	58.0
60°	37.5	35.8	34.1	34.1	34.1	32.4	32.4	32.4	32.4	32.4	32.4
62.5°	23.9	23.9	22.2	22.2	22.2	22.2	22.2	20.5	22.2	22.2	22.2
65°	20.5	18.8	18.8	18.8	18.8	17.1	17.1	17.1	17.1	17.1	17.1
67.5°	17.1	15.4	15.4	15.4	15.4	13.6	13.6	13.6	13.6	13.6	13.6
70°	13.6	11.9	11.9	11.9	11.9	11.9	10.2	11.9	11.9	10.2	10.2
72.5°	10.2	10.2	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	6.8	6.8	6.8	6.8	6.8	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	5.1	5.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	0.0	1.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212818

CATALOG NUMBER: LD6B30D010 EU6B30509040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4
2.5°	1501.3	1484.2	1475.7	1492.7	1499.6	1491.0	1484.2	1472.3	1484.2	1491.0	1499.6
5°	1521.7	1506.4	1499.6	1511.5	1521.7	1513.2	1508.1	1496.1	1508.1	1513.2	1521.7
7.5°	1540.5	1525.1	1516.6	1528.6	1540.5	1528.6	1523.4	1513.2	1523.4	1528.6	1540.5
10°	1547.3	1530.3	1523.4	1533.7	1545.6	1533.7	1526.8	1520.0	1526.8	1533.7	1545.6
12.5°	1559.3	1542.2	1533.7	1542.2	1554.1	1542.2	1535.4	1530.3	1535.4	1542.2	1554.1
15°	1576.3	1561.0	1550.7	1559.3	1574.6	1561.0	1552.4	1550.7	1552.4	1561.0	1574.6
17.5°	1576.3	1564.4	1554.1	1561.0	1576.3	1566.1	1554.1	1557.6	1554.1	1566.1	1576.3
20°	1554.1	1542.2	1533.7	1533.7	1555.8	1542.2	1532.0	1537.1	1532.0	1542.2	1555.8
22.5°	1514.9	1504.7	1496.1	1494.4	1516.6	1504.7	1491.0	1501.3	1491.0	1504.7	1516.6
25°	1463.7	1453.5	1446.7	1443.3	1465.4	1451.8	1439.8	1450.1	1439.8	1451.8	1465.4
27.5°	1397.2	1388.7	1381.8	1376.7	1397.2	1385.3	1373.3	1383.5	1373.3	1385.3	1397.2
30°	1311.9	1306.8	1300.0	1293.1	1313.6	1301.7	1289.7	1303.4	1289.7	1301.7	1313.6
32.5°	1212.9	1209.5	1201.0	1194.2	1214.7	1201.0	1192.5	1202.7	1192.5	1201.0	1214.7
35°	1098.6	1093.5	1088.4	1076.5	1098.6	1086.7	1086.7	1090.1	1086.7	1086.7	1098.6
37.5°	970.7	967.3	960.5	950.2	969.0	960.5	957.1	967.3	957.1	960.5	969.0
40°	827.4	825.7	820.6	808.6	829.1	820.6	815.5	829.1	815.5	820.6	829.1
42.5°	677.3	673.9	668.7	667.0	677.3	670.4	675.6	675.6	675.6	670.4	677.3
45°	522.0	518.6	515.2	508.4	520.3	516.9	515.2	518.6	515.2	516.9	520.3
47.5°	378.7	375.3	371.9	366.8	378.7	373.6	373.6	377.0	373.6	373.6	378.7
50°	254.2	255.9	254.2	250.8	254.2	252.5	254.2	257.6	254.2	252.5	254.2
52.5°	168.9	168.9	165.5	163.8	167.2	165.5	170.6	167.2	170.6	165.5	167.2
55°	102.4	104.1	102.4	100.7	102.4	100.7	105.8	104.1	105.8	100.7	102.4
57.5°	58.0	58.0	59.7	58.0	61.4	59.7	59.7	59.7	59.7	59.7	61.4
60°	32.4	32.4	32.4	32.4	32.4	32.4	34.1	32.4	34.1	32.4	32.4
62.5°	22.2	22.2	22.2	20.5	22.2	20.5	22.2	22.2	22.2	20.5	22.2
65°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
67.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
70°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212818

CATALOG NUMBER: LD6B30D010 EU6B30509040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4
2.5°	1492.7	1475.7	1484.2	1501.3	1477.4	1497.8	1485.9	1465.4	1465.4	1480.8	1484.2
5°	1511.5	1499.6	1506.4	1521.7	1497.8	1518.3	1504.7	1484.2	1482.5	1497.8	1503.0
7.5°	1528.6	1516.6	1525.1	1540.5	1514.9	1535.4	1523.4	1501.3	1497.8	1513.2	1518.3
10°	1533.7	1523.4	1530.3	1547.3	1521.7	1540.5	1532.0	1508.1	1506.4	1518.3	1525.1
12.5°	1542.2	1533.7	1542.2	1559.3	1533.7	1552.4	1543.9	1520.0	1516.6	1532.0	1537.1
15°	1559.3	1550.7	1561.0	1576.3	1552.4	1567.8	1559.3	1535.4	1533.7	1545.6	1552.4
17.5°	1561.0	1554.1	1564.4	1576.3	1552.4	1567.8	1561.0	1535.4	1533.7	1547.3	1552.4
20°	1533.7	1533.7	1542.2	1554.1	1528.6	1543.9	1537.1	1511.5	1511.5	1523.4	1528.6
22.5°	1494.4	1496.1	1504.7	1514.9	1489.3	1504.7	1497.8	1472.3	1474.0	1484.2	1491.0
25°	1443.3	1446.7	1453.5	1463.7	1439.8	1453.5	1443.3	1422.8	1421.1	1433.0	1441.5
27.5°	1376.7	1381.8	1388.7	1397.2	1375.0	1385.3	1378.4	1358.0	1356.2	1368.2	1376.7
30°	1293.1	1300.0	1306.8	1311.9	1291.4	1301.7	1293.1	1274.4	1274.4	1284.6	1289.7
32.5°	1194.2	1201.0	1209.5	1212.9	1192.5	1204.4	1197.6	1177.1	1177.1	1187.4	1197.6
35°	1076.5	1088.4	1093.5	1098.6	1078.2	1085.0	1088.4	1061.1	1064.5	1073.1	1086.7
37.5°	950.2	960.5	967.3	970.7	951.9	958.8	960.5	936.6	940.0	946.8	962.2
40°	808.6	820.6	825.7	827.4	813.7	818.9	820.6	796.7	801.8	806.9	818.9
42.5°	667.0	668.7	673.9	677.3	665.3	667.0	670.4	648.3	655.1	656.8	668.7
45°	508.4	515.2	518.6	522.0	511.8	515.2	515.2	499.9	501.6	505.0	515.2
47.5°	366.8	371.9	375.3	378.7	370.2	373.6	373.6	358.3	363.4	365.1	371.9
50°	250.8	254.2	255.9	254.2	254.2	254.2	254.2	245.7	250.8	245.7	254.2
52.5°	163.8	165.5	168.9	168.9	163.8	167.2	167.2	160.4	162.1	162.1	167.2
55°	100.7	102.4	104.1	102.4	100.7	102.4	102.4	98.9	102.4	98.9	104.1
57.5°	58.0	59.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	56.3	59.7
60°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	34.1
62.5°	20.5	22.2	22.2	22.2	22.2	22.2	22.2	20.5	22.2	22.2	22.2
65°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	18.8
67.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	15.4
70°	10.2	10.2	10.2	10.2	10.2	10.2	11.9	11.9	10.2	11.9	11.9
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212818

CATALOG NUMBER: LD6B30D010 EU6B30509040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4
2.5°	1482.5	1468.8	1468.8	1453.5	1467.1	1468.8	1451.8	1446.7	1465.4	1445.0	1455.2
5°	1496.1	1482.5	1482.5	1467.1	1477.4	1477.4	1460.3	1451.8	1470.5	1450.1	1458.6
7.5°	1513.2	1497.8	1494.4	1479.1	1487.6	1489.3	1468.8	1456.9	1475.7	1451.8	1460.3
10°	1518.3	1501.3	1499.6	1484.2	1491.0	1492.7	1468.8	1458.6	1474.0	1448.4	1453.5
12.5°	1530.3	1511.5	1511.5	1496.1	1501.3	1501.3	1477.4	1463.7	1477.4	1451.8	1455.2
15°	1543.9	1523.4	1523.4	1508.1	1511.5	1513.2	1484.2	1470.5	1482.5	1455.2	1458.6
17.5°	1543.9	1521.7	1521.7	1508.1	1509.8	1508.1	1480.8	1465.4	1474.0	1445.0	1446.7
20°	1520.0	1497.8	1501.3	1485.9	1487.6	1485.9	1456.9	1441.5	1450.1	1419.4	1422.8
22.5°	1480.8	1460.3	1463.7	1450.1	1450.1	1448.4	1421.1	1405.7	1414.3	1383.5	1385.3
25°	1431.3	1410.8	1414.3	1400.6	1402.3	1402.3	1375.0	1358.0	1366.5	1339.2	1339.2
27.5°	1366.5	1346.0	1351.1	1342.6	1337.5	1339.2	1315.3	1298.2	1306.8	1281.2	1281.2
30°	1282.9	1265.8	1271.0	1264.1	1259.0	1259.0	1238.5	1221.5	1230.0	1207.8	1206.1
32.5°	1183.9	1170.3	1175.4	1170.3	1165.2	1170.3	1148.1	1131.1	1139.6	1122.5	1124.2
35°	1076.5	1062.8	1066.2	1061.1	1057.7	1061.1	1038.9	1027.0	1035.5	1018.5	1025.3
37.5°	957.1	933.2	943.4	940.0	936.6	938.3	917.8	909.3	919.5	909.3	914.4
40°	817.2	800.1	806.9	803.5	800.1	808.6	793.3	781.3	789.9	783.0	793.3
42.5°	665.3	651.7	660.2	658.5	653.4	663.6	651.7	643.2	656.8	653.4	661.9
45°	511.8	501.6	508.4	508.4	506.7	515.2	503.3	505.0	518.6	523.7	534.0
47.5°	370.2	354.8	363.4	368.5	368.5	377.0	370.2	377.0	392.4	402.6	411.1
50°	252.5	249.1	250.8	252.5	255.9	262.7	261.0	271.2	281.5	298.5	308.8
52.5°	167.2	163.8	167.2	168.9	172.3	179.1	179.1	191.1	203.0	218.4	230.3
55°	104.1	102.4	104.1	105.8	109.2	116.0	117.7	129.7	141.6	156.9	167.2
57.5°	59.7	61.4	61.4	64.8	66.5	71.7	76.8	83.6	97.2	112.6	122.8
60°	34.1	34.1	35.8	37.5	39.2	44.4	47.8	54.6	64.8	80.2	87.0
62.5°	22.2	22.2	23.9	23.9	25.6	29.0	32.4	39.2	47.8	59.7	66.5
65°	18.8	18.8	18.8	20.5	20.5	23.9	27.3	32.4	39.2	47.8	54.6
67.5°	15.4	15.4	15.4	17.1	17.1	18.8	22.2	25.6	30.7	37.5	42.6
70°	11.9	11.9	11.9	13.6	13.6	15.4	17.1	18.8	23.9	29.0	32.4
72.5°	8.5	8.5	10.2	10.2	10.2	11.9	13.6	15.4	18.8	22.2	23.9
75°	6.8	6.8	6.8	6.8	8.5	8.5	10.2	11.9	13.6	15.4	17.1
77.5°	3.4	3.4	5.1	5.1	5.1	6.8	6.8	8.5	10.2	11.9	11.9
80°	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1	6.8	8.5	8.5
82.5°	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	5.1	5.1	5.1
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212818

CATALOG NUMBER: LD6B30D010 EU6B30509040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4	1465.4
2.5°	1443.3	1448.4	1448.4	1443.3	1429.6	1441.5	1453.5	1441.5	1456.9	1429.6	1429.6
5°	1443.3	1446.7	1445.0	1438.1	1424.5	1434.7	1443.3	1431.3	1443.3	1417.7	1416.0
7.5°	1446.7	1443.3	1439.8	1431.3	1414.3	1421.1	1429.6	1416.0	1427.9	1400.6	1397.2
10°	1439.8	1434.7	1427.9	1416.0	1397.2	1402.3	1407.4	1395.5	1404.0	1376.7	1375.0
12.5°	1439.8	1431.3	1421.1	1407.4	1387.0	1390.4	1395.5	1380.1	1387.0	1361.4	1358.0
15°	1443.3	1427.9	1416.0	1400.6	1378.4	1380.1	1383.5	1366.5	1373.3	1346.0	1344.3
17.5°	1431.3	1414.3	1402.3	1383.5	1359.7	1361.4	1361.4	1344.3	1349.4	1322.1	1320.4
20°	1405.7	1385.3	1371.6	1354.5	1329.0	1329.0	1329.0	1311.9	1315.3	1291.4	1288.0
22.5°	1369.9	1347.7	1334.1	1317.0	1293.1	1291.4	1289.7	1276.1	1276.1	1253.9	1248.8
25°	1322.1	1301.7	1288.0	1272.7	1248.8	1245.4	1245.4	1233.4	1231.7	1211.2	1207.8
27.5°	1267.5	1243.7	1231.7	1218.1	1195.9	1192.5	1190.8	1183.9	1180.5	1158.4	1156.7
30°	1194.2	1173.7	1163.5	1151.5	1131.1	1127.6	1125.9	1119.1	1117.4	1095.2	1095.2
32.5°	1115.7	1090.1	1083.3	1071.4	1056.0	1054.3	1056.0	1047.5	1040.6	1025.3	1021.9
35°	1021.9	996.3	991.2	986.1	974.1	970.7	969.0	967.3	958.8	948.5	943.4
37.5°	912.7	890.5	890.5	888.8	880.3	880.3	880.3	876.9	868.3	864.9	854.7
40°	795.0	777.9	779.6	781.3	777.9	779.6	781.3	777.9	771.1	767.7	759.2
42.5°	668.7	660.2	667.0	672.2	672.2	677.3	680.7	680.7	672.2	670.4	663.6
45°	542.5	540.8	554.4	564.7	568.1	576.6	581.7	578.3	578.3	578.3	571.5
47.5°	424.8	431.6	443.6	464.0	470.8	481.1	484.5	489.6	487.9	489.6	484.5
50°	322.4	337.8	353.1	373.6	383.8	395.8	400.9	407.7	407.7	409.4	406.0
52.5°	244.0	255.9	281.5	295.1	307.1	319.0	325.8	332.7	334.4	334.4	331.0
55°	180.8	197.9	215.0	233.7	244.0	255.9	261.0	267.8	267.8	271.2	267.8
57.5°	131.4	148.4	167.2	180.8	192.8	201.3	206.4	211.5	215.0	215.0	213.2
60°	97.2	110.9	126.2	139.9	150.1	158.7	162.1	167.2	168.9	168.9	165.5
62.5°	73.4	87.0	100.7	112.6	119.4	126.2	129.7	133.1	133.1	133.1	131.4
65°	59.7	69.9	80.2	90.4	97.2	102.4	104.1	107.5	105.8	107.5	105.8
67.5°	47.8	54.6	63.1	69.9	75.1	78.5	80.2	83.6	81.9	83.6	81.9
70°	35.8	42.6	47.8	52.9	56.3	59.7	61.4	63.1	61.4	63.1	61.4
72.5°	27.3	30.7	35.8	40.9	42.6	44.4	46.1	46.1	46.1	47.8	46.1
75°	18.8	22.2	25.6	27.3	30.7	32.4	32.4	34.1	34.1	34.1	34.1
77.5°	13.6	15.4	17.1	18.8	20.5	22.2	22.2	23.9	23.9	23.9	23.9
80°	8.5	10.2	10.2	11.9	13.6	13.6	15.4	15.4	15.4	15.4	15.4
82.5°	5.1	6.8	6.8	8.5	8.5	8.5	10.2	10.2	10.2	10.2	10.2
85°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212818

CATALOG NUMBER: LD6B30D010 EU6B30509040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1465.4	1465.4	1465.4	1465.4
2.5°	1443.3	1434.7	1448.4	1427.9
5°	1427.9	1419.4	1436.4	1410.8
7.5°	1409.1	1400.6	1416.0	1390.4
10°	1385.3	1376.7	1390.4	1363.1
12.5°	1364.8	1356.2	1371.6	1346.0
15°	1349.4	1340.9	1354.5	1330.7
17.5°	1325.5	1315.3	1330.7	1305.1
20°	1291.4	1284.6	1296.5	1271.0
22.5°	1252.2	1245.4	1259.0	1233.4
25°	1211.2	1202.7	1216.4	1190.8
27.5°	1158.4	1151.5	1165.2	1139.6
30°	1095.2	1088.4	1102.1	1078.2
32.5°	1023.6	1016.8	1027.0	1006.5
35°	941.7	936.6	946.8	924.6
37.5°	853.0	847.9	858.1	835.9
40°	757.5	752.3	760.9	750.6
42.5°	663.6	658.5	667.0	658.5
45°	571.5	568.1	576.6	568.1
47.5°	486.2	482.8	491.3	482.8
50°	404.3	406.0	409.4	406.0
52.5°	331.0	331.0	336.1	331.0
55°	267.8	269.5	271.2	267.8
57.5°	213.2	213.2	215.0	213.2
60°	165.5	167.2	167.2	165.5
62.5°	131.4	131.4	131.4	131.4
65°	104.1	104.1	105.8	104.1
67.5°	81.9	80.2	81.9	80.2
70°	61.4	61.4	61.4	61.4
72.5°	47.8	47.8	46.1	46.1
75°	34.1	35.8	34.1	34.1
77.5°	23.9	23.9	23.9	23.9
80°	15.4	15.4	15.4	15.4
82.5°	10.2	10.2	10.2	10.2
85°	6.8	5.1	5.1	5.1
87.5°	3.4	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)