

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: P212814

Luminaire Tested: **LD6B30D010 EU6B30509024 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212814
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 EU6B30509024 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2040.4 lumens
Efficiency: N/A
Efficacy: 72.9 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

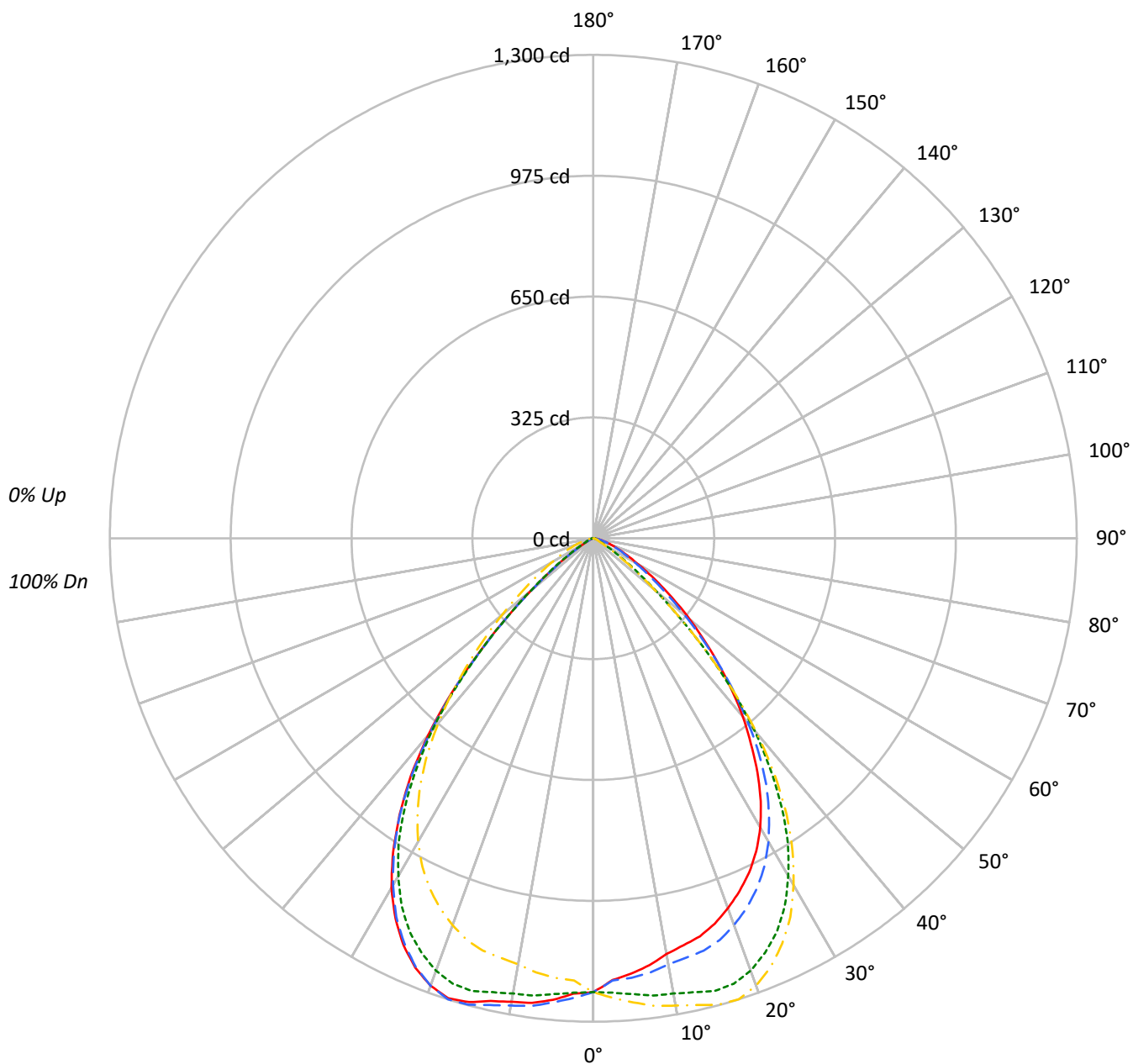
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66903	66903	66903	66903
5°	64654	67703	68561	67703
10°	63186	69198	70462	69198
15°	62889	71521	73292	71521
20°	61745	72188	74673	72188
25°	59979	70637	73045	70637
30°	56838	66371	68707	66371
35°	51531	59140	60753	59140
40°	44734	48190	49414	48190
45°	36678	33259	33484	33259
50°	28835	18660	18294	18660
55°	21313	9233	8286	9233
60°	15108	4046	2960	4046
65°	11246	2581	1842	2581
70°	8190	2052	1362	2052
75°	6015	1504	911	1504
80°	4041	1357	442	1357
85°	2705	881	881	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	5.7
10°-20°	346.0	17.0
20°-30°	516.4	25.3
30°-40°	530.5	26.0
40°-50°	343.5	16.8
50°-60°	127.7	6.3
60°-70°	41.9	2.1
70°-80°	14.8	0.7
80°-90°	2.7	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°	979.2	48.0
0°-40°	1509.7	74.0
0°-60°	1981.0	97.1
0°-90°	2040.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1220	1220	1220	1220	1220	
5°	1175	1230	1246	1230	1175	111
15°	1108	1260	1291	1260	1108	312
25°	992	1168	1208	1168	992	454
35°	770	884	908	884	770	478
45°	473	429	432	429	473	366
55°	223	97	87	97	223	203
65°	87	20	14	20	87	88
75°	28	7	4	7	28	31
85°	4	1	1	1	4	6
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°	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4
2.5°	1189.1	1206.2	1194.8	1201.9	1190.5	1190.5	1213.3	1200.5	1210.4	1200.5	1190.5
5°	1174.9	1196.2	1182.0	1189.1	1179.2	1180.6	1201.9	1192.0	1201.9	1194.8	1186.3
7.5°	1157.9	1179.2	1166.4	1173.5	1163.5	1166.4	1189.1	1179.2	1190.5	1183.4	1177.8
10°	1135.1	1157.9	1146.5	1153.6	1145.1	1146.5	1169.2	1162.1	1172.1	1167.8	1163.5
12.5°	1120.9	1142.2	1129.4	1136.6	1130.9	1133.7	1155.0	1149.3	1162.1	1157.9	1155.0
15°	1108.1	1128.0	1116.7	1123.8	1119.5	1120.9	1143.7	1138.0	1152.2	1149.3	1147.9
17.5°	1086.8	1108.1	1095.4	1103.9	1099.6	1101.0	1123.8	1119.5	1133.7	1133.7	1132.3
20°	1058.4	1079.7	1069.8	1075.5	1072.6	1075.5	1095.4	1092.5	1106.7	1106.7	1106.7
22.5°	1027.2	1048.5	1037.1	1042.8	1039.9	1044.2	1062.7	1062.7	1074.0	1075.5	1076.9
25°	991.6	1013.0	1001.6	1008.7	1005.8	1008.7	1025.7	1027.2	1037.1	1037.1	1039.9
27.5°	949.0	970.3	959.0	964.6	963.2	964.6	983.1	986.0	991.6	993.1	995.9
30°	897.9	917.8	906.4	912.1	912.1	912.1	930.6	932.0	937.7	939.1	941.9
32.5°	838.2	855.3	846.7	852.4	851.0	853.8	866.6	872.3	879.4	878.0	879.4
35°	770.0	788.5	780.0	784.2	785.6	789.9	798.4	805.5	807.0	808.4	811.2
37.5°	696.1	714.6	706.1	710.3	711.8	720.3	723.1	730.2	733.1	733.1	733.1
40°	625.1	633.6	626.5	630.8	632.2	639.3	642.2	647.8	650.7	649.3	647.8
42.5°	548.4	555.5	548.4	552.6	552.6	558.3	559.8	566.9	566.9	564.0	559.8
45°	473.1	480.2	473.1	475.9	475.9	481.6	481.6	481.6	484.5	480.2	473.1
47.5°	402.1	409.2	402.1	404.9	403.5	407.7	406.3	407.7	403.5	400.6	392.1
50°	338.1	341.0	338.1	336.7	338.1	341.0	339.5	339.5	333.9	329.6	319.7
52.5°	275.6	279.9	275.6	275.6	275.6	278.5	278.5	277.0	271.4	265.7	255.7
55°	223.0	225.9	224.5	223.0	223.0	225.9	223.0	223.0	217.4	213.1	203.2
57.5°	177.6	179.0	177.6	177.6	177.6	179.0	179.0	176.2	171.9	167.6	160.5
60°	137.8	139.2	139.2	137.8	137.8	140.6	140.6	139.2	135.0	132.1	125.0
62.5°	109.4	109.4	109.4	109.4	109.4	110.8	110.8	110.8	108.0	105.1	99.4
65°	86.7	88.1	86.7	86.7	88.1	89.5	88.1	89.5	86.7	85.2	81.0
67.5°	66.8	68.2	66.8	68.2	68.2	69.6	68.2	69.6	66.8	65.4	62.5
70°	51.1	51.1	51.1	51.1	51.1	52.6	51.1	52.6	51.1	49.7	46.9
72.5°	38.4	38.4	39.8	39.8	38.4	39.8	38.4	38.4	38.4	36.9	35.5
75°	28.4	28.4	29.8	28.4	28.4	28.4	28.4	28.4	27.0	27.0	25.6
77.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	18.5	18.5	17.0
80°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	11.4	11.4
82.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.1	7.1
85°	4.3	4.3	4.3	5.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	1.4	1.4	1.4	2.8	1.4	1.4	2.8	2.8	1.4	1.4	1.4
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°	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4
2.5°	1201.9	1206.2	1206.2	1201.9	1211.8	1203.3	1220.4	1204.7	1209.0	1223.2	1221.8
5°	1197.6	1203.3	1204.7	1201.9	1214.7	1207.6	1224.6	1209.0	1216.1	1230.3	1230.3
7.5°	1192.0	1199.1	1201.9	1204.7	1216.1	1209.0	1228.9	1213.3	1223.2	1240.3	1238.8
10°	1179.2	1189.1	1194.8	1199.1	1210.4	1206.2	1227.5	1214.7	1223.2	1243.1	1241.7
12.5°	1172.1	1183.4	1192.0	1199.1	1211.8	1209.0	1230.3	1219.0	1230.3	1250.2	1250.2
15°	1166.4	1179.2	1189.1	1201.9	1214.7	1211.8	1234.6	1224.6	1236.0	1260.2	1258.7
17.5°	1152.2	1167.8	1177.8	1192.0	1204.7	1203.3	1227.5	1220.4	1233.2	1255.9	1257.3
20°	1128.0	1142.2	1153.6	1170.6	1184.9	1182.0	1207.6	1200.5	1213.3	1237.4	1238.8
22.5°	1096.8	1111.0	1122.3	1140.8	1153.6	1152.2	1177.8	1170.6	1183.4	1206.2	1207.6
25°	1059.8	1072.6	1084.0	1101.0	1115.2	1115.2	1138.0	1130.9	1145.1	1167.8	1167.8
27.5°	1014.4	1025.7	1035.7	1055.6	1066.9	1066.9	1088.2	1081.1	1095.4	1115.2	1113.8
30°	959.0	968.9	977.4	994.5	1004.4	1005.8	1024.3	1017.2	1031.4	1048.5	1048.5
32.5°	892.2	902.1	907.8	929.1	936.2	934.8	949.0	941.9	956.1	974.6	970.3
35°	821.2	825.4	829.7	851.0	853.8	848.2	862.4	855.3	865.2	883.7	880.8
37.5°	740.2	741.6	741.6	760.1	761.5	757.2	765.8	757.2	764.3	781.4	780.0
40°	650.7	649.3	647.8	662.0	660.6	652.1	657.8	650.7	660.6	673.4	666.3
42.5°	559.8	555.5	549.8	556.9	551.2	544.1	547.0	535.6	542.7	552.6	544.1
45°	470.2	461.7	450.4	451.8	444.7	436.2	431.9	420.5	419.1	429.0	421.9
47.5°	386.4	369.4	359.4	353.8	342.4	335.3	326.8	314.0	308.3	314.0	306.9
50°	311.1	294.1	281.3	268.5	257.1	248.6	234.4	225.9	217.4	218.8	213.1
52.5°	245.8	234.4	213.1	203.2	191.8	181.8	169.1	159.1	149.2	149.2	143.5
55°	194.6	179.0	164.8	150.6	139.2	130.7	117.9	108.0	98.0	96.6	90.9
57.5°	150.6	139.2	123.6	109.4	102.3	93.8	81.0	69.6	63.9	59.7	55.4
60°	116.5	105.1	92.3	81.0	72.5	66.8	54.0	45.5	39.8	36.9	32.7
62.5°	93.8	83.8	72.5	61.1	55.4	49.7	39.8	32.7	27.0	24.2	21.3
65°	75.3	66.8	58.2	49.7	45.5	39.8	32.7	27.0	22.7	19.9	17.0
67.5°	58.2	52.6	45.5	39.8	35.5	31.3	25.6	21.3	18.5	15.6	14.2
70°	44.0	39.8	35.5	29.8	27.0	24.2	19.9	15.6	14.2	12.8	11.4
72.5°	34.1	29.8	25.6	22.7	19.9	18.5	15.6	12.8	11.4	9.9	8.5
75°	22.7	21.3	18.5	15.6	14.2	12.8	11.4	9.9	8.5	7.1	7.1
77.5°	15.6	14.2	12.8	11.4	9.9	9.9	8.5	7.1	5.7	5.7	4.3
80°	9.9	8.5	8.5	7.1	7.1	7.1	5.7	4.3	4.3	4.3	2.8
82.5°	7.1	5.7	5.7	4.3	4.3	4.3	4.3	2.8	2.8	2.8	1.4
85°	4.3	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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°	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4
2.5°	1210.4	1223.2	1223.2	1234.6	1236.0	1233.2	1220.4	1220.4	1237.4	1247.4	1230.3
5°	1221.8	1234.6	1234.6	1245.9	1251.6	1247.4	1234.6	1236.0	1253.0	1264.4	1247.4
7.5°	1231.7	1244.5	1247.4	1260.2	1264.4	1260.2	1247.4	1250.2	1268.7	1278.6	1261.6
10°	1236.0	1248.8	1250.2	1264.4	1270.1	1264.4	1254.5	1255.9	1275.8	1282.9	1267.3
12.5°	1245.9	1258.7	1258.7	1274.4	1280.0	1275.8	1263.0	1265.8	1285.7	1292.8	1277.2
15°	1255.9	1268.7	1268.7	1285.7	1292.8	1287.1	1277.2	1278.6	1298.5	1305.6	1292.8
17.5°	1255.9	1267.3	1267.3	1285.7	1292.8	1288.6	1277.2	1278.6	1299.9	1305.6	1292.8
20°	1237.4	1250.2	1247.4	1265.8	1272.9	1268.7	1258.7	1258.7	1280.0	1285.7	1272.9
22.5°	1207.6	1219.0	1216.1	1233.2	1241.7	1236.0	1227.5	1226.1	1247.4	1253.0	1240.3
25°	1166.4	1177.8	1174.9	1192.0	1200.5	1193.4	1183.4	1184.9	1201.9	1210.4	1199.1
27.5°	1118.1	1125.2	1120.9	1138.0	1146.5	1139.4	1129.4	1130.9	1147.9	1153.6	1145.1
30°	1052.7	1058.4	1054.2	1068.4	1074.0	1069.8	1061.3	1061.3	1076.9	1084.0	1075.5
32.5°	974.6	978.9	974.6	986.0	997.3	988.8	980.3	980.3	997.3	1003.0	993.1
35°	883.7	887.9	885.1	896.5	905.0	893.6	886.5	883.7	906.4	903.6	897.9
37.5°	782.8	785.6	777.1	797.0	801.3	788.5	782.8	780.0	799.8	798.4	792.7
40°	669.1	672.0	666.3	680.5	681.9	672.0	667.7	663.5	683.4	681.9	677.7
42.5°	548.4	549.8	542.7	554.1	556.9	547.0	545.5	539.9	558.3	555.5	554.1
45°	423.4	423.4	417.7	426.2	429.0	420.5	417.7	416.3	429.0	429.0	426.2
47.5°	306.9	302.6	295.5	308.3	309.7	304.0	302.6	298.3	311.1	311.1	308.3
50°	210.3	208.8	207.4	210.3	211.7	204.6	208.8	204.6	211.7	211.7	211.7
52.5°	140.6	139.2	136.4	139.2	139.2	135.0	135.0	133.5	139.2	139.2	136.4
55°	88.1	86.7	85.2	86.7	86.7	82.4	85.2	82.4	85.2	85.2	83.8
57.5°	54.0	51.1	51.1	49.7	49.7	46.9	48.3	48.3	48.3	48.3	48.3
60°	31.3	29.8	28.4	28.4	28.4	27.0	27.0	27.0	27.0	27.0	27.0
62.5°	19.9	19.9	18.5	18.5	18.5	18.5	18.5	17.0	18.5	18.5	18.5
65°	17.0	15.6	15.6	15.6	15.6	14.2	14.2	14.2	14.2	14.2	14.2
67.5°	14.2	12.8	12.8	12.8	12.8	11.4	11.4	11.4	11.4	11.4	11.4
70°	11.4	9.9	9.9	9.9	9.9	9.9	8.5	9.9	9.9	8.5	8.5
72.5°	8.5	8.5	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	5.7	5.7	5.7	5.7	5.7	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	4.3	4.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	0.0	1.4	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: P212814

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4
2.5°	1250.2	1236.0	1228.9	1243.1	1248.8	1241.7	1236.0	1226.1	1236.0	1241.7	1248.8
5°	1267.3	1254.5	1248.8	1258.7	1267.3	1260.2	1255.9	1245.9	1255.9	1260.2	1267.3
7.5°	1282.9	1270.1	1263.0	1272.9	1282.9	1272.9	1268.7	1260.2	1268.7	1272.9	1282.9
10°	1288.6	1274.4	1268.7	1277.2	1287.1	1277.2	1271.5	1265.8	1271.5	1277.2	1287.1
12.5°	1298.5	1284.3	1277.2	1284.3	1294.2	1284.3	1278.6	1274.4	1278.6	1284.3	1294.2
15°	1312.7	1299.9	1291.4	1298.5	1311.3	1299.9	1292.8	1291.4	1292.8	1299.9	1311.3
17.5°	1312.7	1302.8	1294.2	1299.9	1312.7	1304.2	1294.2	1297.1	1294.2	1304.2	1312.7
20°	1294.2	1284.3	1277.2	1277.2	1295.7	1284.3	1275.8	1280.0	1275.8	1284.3	1295.7
22.5°	1261.6	1253.0	1245.9	1244.5	1263.0	1253.0	1241.7	1250.2	1241.7	1253.0	1263.0
25°	1219.0	1210.4	1204.7	1201.9	1220.4	1209.0	1199.1	1207.6	1199.1	1209.0	1220.4
27.5°	1163.5	1156.4	1150.8	1146.5	1163.5	1153.6	1143.7	1152.2	1143.7	1153.6	1163.5
30°	1092.5	1088.2	1082.6	1076.9	1093.9	1084.0	1074.0	1085.4	1074.0	1084.0	1093.9
32.5°	1010.1	1007.3	1000.2	994.5	1011.5	1000.2	993.1	1001.6	993.1	1000.2	1011.5
35°	914.9	910.7	906.4	896.5	914.9	905.0	905.0	907.8	905.0	905.0	914.9
37.5°	808.4	805.5	799.8	791.3	807.0	799.8	797.0	805.5	797.0	799.8	807.0
40°	689.0	687.6	683.4	673.4	690.5	683.4	679.1	690.5	679.1	683.4	690.5
42.5°	564.0	561.2	556.9	555.5	564.0	558.3	562.6	562.6	562.6	558.3	564.0
45°	434.7	431.9	429.0	423.4	433.3	430.5	429.0	431.9	429.0	430.5	433.3
47.5°	315.4	312.6	309.7	305.4	315.4	311.1	311.1	314.0	311.1	311.1	315.4
50°	211.7	213.1	211.7	208.8	211.7	210.3	211.7	214.5	211.7	210.3	211.7
52.5°	140.6	140.6	137.8	136.4	139.2	137.8	142.1	139.2	142.1	137.8	139.2
55°	85.2	86.7	85.2	83.8	85.2	83.8	88.1	86.7	88.1	83.8	85.2
57.5°	48.3	48.3	49.7	48.3	51.1	49.7	49.7	49.7	49.7	49.7	51.1
60°	27.0	27.0	27.0	27.0	27.0	27.0	28.4	27.0	28.4	27.0	27.0
62.5°	18.5	18.5	18.5	17.0	18.5	17.0	18.5	18.5	18.5	17.0	18.5
65°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
67.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
70°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
72.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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: P212814

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4
2.5°	1243.1	1228.9	1236.0	1250.2	1230.3	1247.4	1237.4	1220.4	1220.4	1233.2	1236.0
5°	1258.7	1248.8	1254.5	1267.3	1247.4	1264.4	1253.0	1236.0	1234.6	1247.4	1251.6
7.5°	1272.9	1263.0	1270.1	1282.9	1261.6	1278.6	1268.7	1250.2	1247.4	1260.2	1264.4
10°	1277.2	1268.7	1274.4	1288.6	1267.3	1282.9	1275.8	1255.9	1254.5	1264.4	1270.1
12.5°	1284.3	1277.2	1284.3	1298.5	1277.2	1292.8	1285.7	1265.8	1263.0	1275.8	1280.0
15°	1298.5	1291.4	1299.9	1312.7	1292.8	1305.6	1298.5	1278.6	1277.2	1287.1	1292.8
17.5°	1299.9	1294.2	1302.8	1312.7	1292.8	1305.6	1299.9	1278.6	1277.2	1288.6	1292.8
20°	1277.2	1277.2	1284.3	1294.2	1272.9	1285.7	1280.0	1258.7	1258.7	1268.7	1272.9
22.5°	1244.5	1245.9	1253.0	1261.6	1240.3	1253.0	1247.4	1226.1	1227.5	1236.0	1241.7
25°	1201.9	1204.7	1210.4	1219.0	1199.1	1210.4	1201.9	1184.9	1183.4	1193.4	1200.5
27.5°	1146.5	1150.8	1156.4	1163.5	1145.1	1153.6	1147.9	1130.9	1129.4	1139.4	1146.5
30°	1076.9	1082.6	1088.2	1092.5	1075.5	1084.0	1076.9	1061.3	1061.3	1069.8	1074.0
32.5°	994.5	1000.2	1007.3	1010.1	993.1	1003.0	997.3	980.3	980.3	988.8	997.3
35°	896.5	906.4	910.7	914.9	897.9	903.6	906.4	883.7	886.5	893.6	905.0
37.5°	791.3	799.8	805.5	808.4	792.7	798.4	799.8	780.0	782.8	788.5	801.3
40°	673.4	683.4	687.6	689.0	677.7	681.9	683.4	663.5	667.7	672.0	681.9
42.5°	555.5	556.9	561.2	564.0	554.1	555.5	558.3	539.9	545.5	547.0	556.9
45°	423.4	429.0	431.9	434.7	426.2	429.0	429.0	416.3	417.7	420.5	429.0
47.5°	305.4	309.7	312.6	315.4	308.3	311.1	311.1	298.3	302.6	304.0	309.7
50°	208.8	211.7	213.1	211.7	211.7	211.7	211.7	204.6	208.8	204.6	211.7
52.5°	136.4	137.8	140.6	140.6	136.4	139.2	139.2	133.5	135.0	135.0	139.2
55°	83.8	85.2	86.7	85.2	83.8	85.2	85.2	82.4	85.2	82.4	86.7
57.5°	48.3	49.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	46.9	49.7
60°	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	28.4
62.5°	17.0	18.5	18.5	18.5	18.5	18.5	18.5	17.0	18.5	18.5	18.5
65°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	15.6
67.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	12.8
70°	8.5	8.5	8.5	8.5	8.5	8.5	9.9	9.9	8.5	9.9	9.9
72.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	0.0	1.4
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: P212814

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4
2.5°	1234.6	1223.2	1223.2	1210.4	1221.8	1223.2	1209.0	1204.7	1220.4	1203.3	1211.8
5°	1245.9	1234.6	1234.6	1221.8	1230.3	1230.3	1216.1	1209.0	1224.6	1207.6	1214.7
7.5°	1260.2	1247.4	1244.5	1231.7	1238.8	1240.3	1223.2	1213.3	1228.9	1209.0	1216.1
10°	1264.4	1250.2	1248.8	1236.0	1241.7	1243.1	1223.2	1214.7	1227.5	1206.2	1210.4
12.5°	1274.4	1258.7	1258.7	1245.9	1250.2	1250.2	1230.3	1219.0	1230.3	1209.0	1211.8
15°	1285.7	1268.7	1268.7	1255.9	1258.7	1260.2	1236.0	1224.6	1234.6	1211.8	1214.7
17.5°	1285.7	1267.3	1267.3	1255.9	1257.3	1255.9	1233.2	1220.4	1227.5	1203.3	1204.7
20°	1265.8	1247.4	1250.2	1237.4	1238.8	1237.4	1213.3	1200.5	1207.6	1182.0	1184.9
22.5°	1233.2	1216.1	1219.0	1207.6	1207.6	1206.2	1183.4	1170.6	1177.8	1152.2	1153.6
25°	1192.0	1174.9	1177.8	1166.4	1167.8	1167.8	1145.1	1130.9	1138.0	1115.2	1115.2
27.5°	1138.0	1120.9	1125.2	1118.1	1113.8	1115.2	1095.4	1081.1	1088.2	1066.9	1066.9
30°	1068.4	1054.2	1058.4	1052.7	1048.5	1048.5	1031.4	1017.2	1024.3	1005.8	1004.4
32.5°	986.0	974.6	978.9	974.6	970.3	974.6	956.1	941.9	949.0	934.8	936.2
35°	896.5	885.1	887.9	883.7	880.8	883.7	865.2	855.3	862.4	848.2	853.8
37.5°	797.0	777.1	785.6	782.8	780.0	781.4	764.3	757.2	765.8	757.2	761.5
40°	680.5	666.3	672.0	669.1	666.3	673.4	660.6	650.7	657.8	652.1	660.6
42.5°	554.1	542.7	549.8	548.4	544.1	552.6	542.7	535.6	547.0	544.1	551.2
45°	426.2	417.7	423.4	423.4	421.9	429.0	419.1	420.5	431.9	436.2	444.7
47.5°	308.3	295.5	302.6	306.9	306.9	314.0	308.3	314.0	326.8	335.3	342.4
50°	210.3	207.4	208.8	210.3	213.1	218.8	217.4	225.9	234.4	248.6	257.1
52.5°	139.2	136.4	139.2	140.6	143.5	149.2	149.2	159.1	169.1	181.8	191.8
55°	86.7	85.2	86.7	88.1	90.9	96.6	98.0	108.0	117.9	130.7	139.2
57.5°	49.7	51.1	51.1	54.0	55.4	59.7	63.9	69.6	81.0	93.8	102.3
60°	28.4	28.4	29.8	31.3	32.7	36.9	39.8	45.5	54.0	66.8	72.5
62.5°	18.5	18.5	19.9	19.9	21.3	24.2	27.0	32.7	39.8	49.7	55.4
65°	15.6	15.6	15.6	17.0	17.0	19.9	22.7	27.0	32.7	39.8	45.5
67.5°	12.8	12.8	12.8	14.2	14.2	15.6	18.5	21.3	25.6	31.3	35.5
70°	9.9	9.9	9.9	11.4	11.4	12.8	14.2	15.6	19.9	24.2	27.0
72.5°	7.1	7.1	8.5	8.5	8.5	9.9	11.4	12.8	15.6	18.5	19.9
75°	5.7	5.7	5.7	5.7	7.1	7.1	8.5	9.9	11.4	12.8	14.2
77.5°	2.8	2.8	4.3	4.3	4.3	5.7	5.7	7.1	8.5	9.9	9.9
80°	2.8	2.8	2.8	2.8	2.8	4.3	4.3	4.3	5.7	7.1	7.1
82.5°	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	4.3	4.3	4.3
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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: P212814

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4	1220.4
2.5°	1201.9	1206.2	1206.2	1201.9	1190.5	1200.5	1210.4	1200.5	1213.3	1190.5	1190.5
5°	1201.9	1204.7	1203.3	1197.6	1186.3	1194.8	1201.9	1192.0	1201.9	1180.6	1179.2
7.5°	1204.7	1201.9	1199.1	1192.0	1177.8	1183.4	1190.5	1179.2	1189.1	1166.4	1163.5
10°	1199.1	1194.8	1189.1	1179.2	1163.5	1167.8	1172.1	1162.1	1169.2	1146.5	1145.1
12.5°	1199.1	1192.0	1183.4	1172.1	1155.0	1157.9	1162.1	1149.3	1155.0	1133.7	1130.9
15°	1201.9	1189.1	1179.2	1166.4	1147.9	1149.3	1152.2	1138.0	1143.7	1120.9	1119.5
17.5°	1192.0	1177.8	1167.8	1152.2	1132.3	1133.7	1133.7	1119.5	1123.8	1101.0	1099.6
20°	1170.6	1153.6	1142.2	1128.0	1106.7	1106.7	1106.7	1092.5	1095.4	1075.5	1072.6
22.5°	1140.8	1122.3	1111.0	1096.8	1076.9	1075.5	1074.0	1062.7	1062.7	1044.2	1039.9
25°	1101.0	1084.0	1072.6	1059.8	1039.9	1037.1	1037.1	1027.2	1025.7	1008.7	1005.8
27.5°	1055.6	1035.7	1025.7	1014.4	995.9	993.1	991.6	986.0	983.1	964.6	963.2
30°	994.5	977.4	968.9	959.0	941.9	939.1	937.7	932.0	930.6	912.1	912.1
32.5°	929.1	907.8	902.1	892.2	879.4	878.0	879.4	872.3	866.6	853.8	851.0
35°	851.0	829.7	825.4	821.2	811.2	808.4	807.0	805.5	798.4	789.9	785.6
37.5°	760.1	741.6	741.6	740.2	733.1	733.1	733.1	730.2	723.1	720.3	711.8
40°	662.0	647.8	649.3	650.7	647.8	649.3	650.7	647.8	642.2	639.3	632.2
42.5°	556.9	549.8	555.5	559.8	559.8	564.0	566.9	566.9	559.8	558.3	552.6
45°	451.8	450.4	461.7	470.2	473.1	480.2	484.5	481.6	481.6	481.6	475.9
47.5°	353.8	359.4	369.4	386.4	392.1	400.6	403.5	407.7	406.3	407.7	403.5
50°	268.5	281.3	294.1	311.1	319.7	329.6	333.9	339.5	339.5	341.0	338.1
52.5°	203.2	213.1	234.4	245.8	255.7	265.7	271.4	277.0	278.5	278.5	275.6
55°	150.6	164.8	179.0	194.6	203.2	213.1	217.4	223.0	223.0	225.9	223.0
57.5°	109.4	123.6	139.2	150.6	160.5	167.6	171.9	176.2	179.0	179.0	177.6
60°	81.0	92.3	105.1	116.5	125.0	132.1	135.0	139.2	140.6	140.6	137.8
62.5°	61.1	72.5	83.8	93.8	99.4	105.1	108.0	110.8	110.8	110.8	109.4
65°	49.7	58.2	66.8	75.3	81.0	85.2	86.7	89.5	88.1	89.5	88.1
67.5°	39.8	45.5	52.6	58.2	62.5	65.4	66.8	69.6	68.2	69.6	68.2
70°	29.8	35.5	39.8	44.0	46.9	49.7	51.1	52.6	51.1	52.6	51.1
72.5°	22.7	25.6	29.8	34.1	35.5	36.9	38.4	38.4	38.4	39.8	38.4
75°	15.6	18.5	21.3	22.7	25.6	27.0	27.0	28.4	28.4	28.4	28.4
77.5°	11.4	12.8	14.2	15.6	17.0	18.5	18.5	19.9	19.9	19.9	19.9
80°	7.1	8.5	8.5	9.9	11.4	11.4	12.8	12.8	12.8	12.8	12.8
82.5°	4.3	5.7	5.7	7.1	7.1	7.1	8.5	8.5	8.5	8.5	8.5
85°	2.8	2.8	2.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	1.4	1.4
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: P212814

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1220.4	1220.4	1220.4	1220.4
2.5°	1201.9	1194.8	1206.2	1189.1
5°	1189.1	1182.0	1196.2	1174.9
7.5°	1173.5	1166.4	1179.2	1157.9
10°	1153.6	1146.5	1157.9	1135.1
12.5°	1136.6	1129.4	1142.2	1120.9
15°	1123.8	1116.7	1128.0	1108.1
17.5°	1103.9	1095.4	1108.1	1086.8
20°	1075.5	1069.8	1079.7	1058.4
22.5°	1042.8	1037.1	1048.5	1027.2
25°	1008.7	1001.6	1013.0	991.6
27.5°	964.6	959.0	970.3	949.0
30°	912.1	906.4	917.8	897.9
32.5°	852.4	846.7	855.3	838.2
35°	784.2	780.0	788.5	770.0
37.5°	710.3	706.1	714.6	696.1
40°	630.8	626.5	633.6	625.1
42.5°	552.6	548.4	555.5	548.4
45°	475.9	473.1	480.2	473.1
47.5°	404.9	402.1	409.2	402.1
50°	336.7	338.1	341.0	338.1
52.5°	275.6	275.6	279.9	275.6
55°	223.0	224.5	225.9	223.0
57.5°	177.6	177.6	179.0	177.6
60°	137.8	139.2	139.2	137.8
62.5°	109.4	109.4	109.4	109.4
65°	86.7	86.7	88.1	86.7
67.5°	68.2	66.8	68.2	66.8
70°	51.1	51.1	51.1	51.1
72.5°	39.8	39.8	38.4	38.4
75°	28.4	29.8	28.4	28.4
77.5°	19.9	19.9	19.9	19.9
80°	12.8	12.8	12.8	12.8
82.5°	8.5	8.5	8.5	8.5
85°	5.7	4.3	4.3	4.3
87.5°	2.8	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)