

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: P212821

Luminaire Tested: **LD6B30D010 EU6B30509730 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212821
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 EU6B30509730 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2107.8 lumens
Efficiency: N/A
Efficacy: 75.3 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

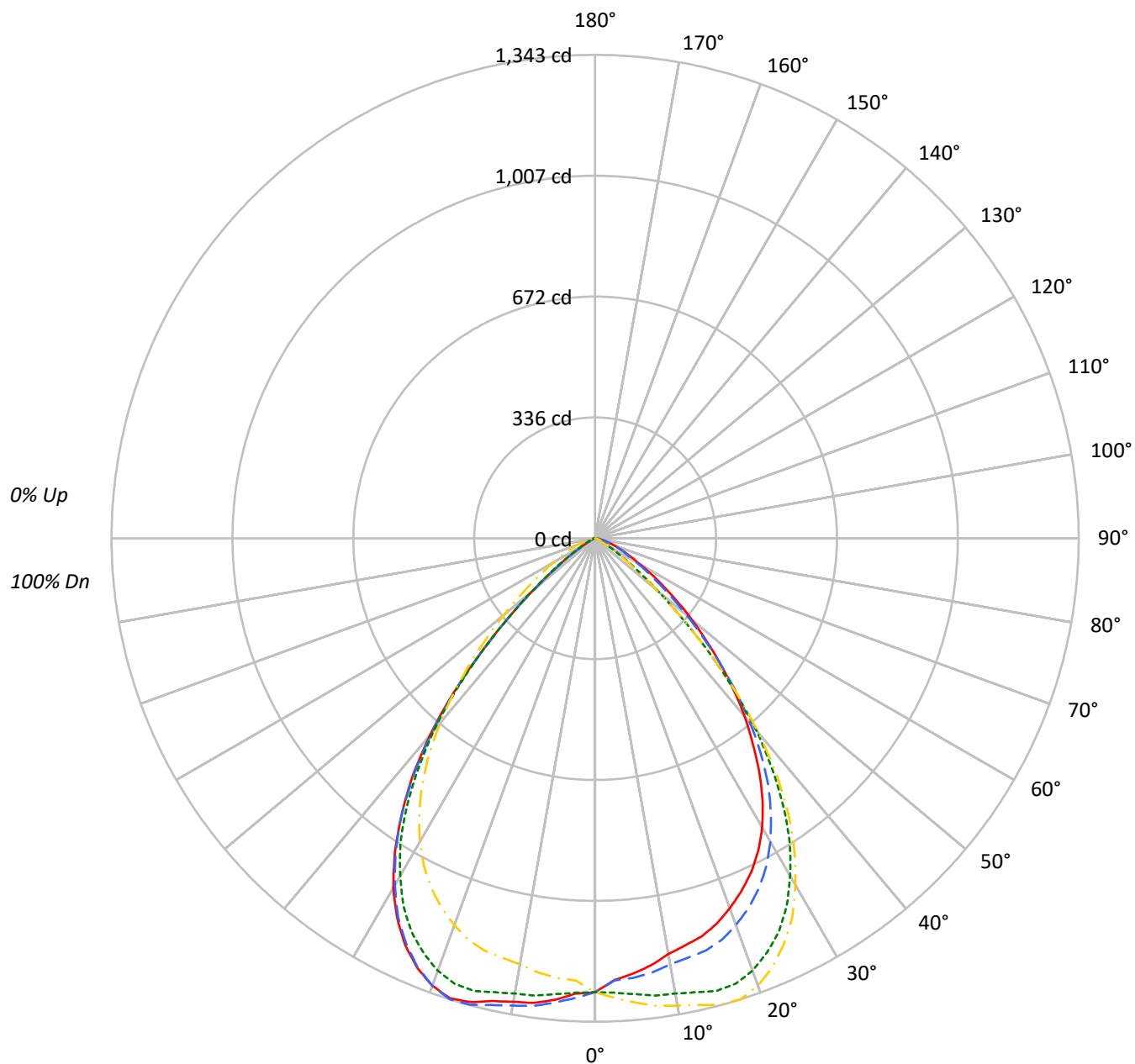
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		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	70	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°	69112	69112	69112	69112
5°	66795	69943	70829	69943
10°	65279	71486	72794	71486
15°	64972	73882	75716	73882
20°	63787	74574	77147	74574
25°	61963	72972	75458	72972
30°	58718	68561	70979	68561
35°	53237	61094	62760	61094
40°	46215	49786	51046	49786
45°	37888	34360	34593	34360
50°	29790	19274	18899	19274
55°	22021	9538	8554	9538
60°	15613	4188	3059	4188
65°	11610	2659	1907	2659
70°	8463	2116	1410	2116
75°	6227	1546	932	1546
80°	4167	1389	474	1389
85°	2768	943	943	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	5.7
10°-20°	357.5	17.0
20°-30°	533.4	25.3
30°-40°	548.1	26.0
40°-50°	354.9	16.8
50°-60°	132.0	6.3
60°-70°	43.3	2.1
70°-80°	15.3	0.7
80°-90°	2.8	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°	1011.6	48.0
0°-40°	1559.6	74.0
0°-60°	2046.5	97.1
0°-90°	2107.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2107.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1261	1261	1261	1261	1261	
5°	1214	1271	1287	1271	1214	115
15°	1145	1302	1334	1302	1145	322
25°	1024	1206	1248	1206	1024	469
35°	796	913	938	913	796	494
45°	489	443	446	443	489	378
55°	230	100	90	100	230	210
65°	90	20	15	20	90	91
75°	29	7	4	7	29	32
85°	4	2	2	2	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°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1228.4	1246.0	1234.3	1241.6	1229.9	1229.9	1253.4	1240.2	1250.5	1240.2	1229.9
5°	1213.8	1235.8	1221.1	1228.4	1218.2	1219.6	1241.6	1231.4	1241.6	1234.3	1225.5
7.5°	1196.1	1218.2	1205.0	1212.3	1202.0	1205.0	1228.4	1218.2	1229.9	1222.6	1216.7
10°	1172.7	1196.1	1184.4	1191.7	1182.9	1184.4	1207.9	1200.5	1210.8	1206.4	1202.0
12.5°	1158.0	1180.0	1166.8	1174.1	1168.3	1171.2	1193.2	1187.3	1200.5	1196.1	1193.2
15°	1144.8	1165.3	1153.6	1160.9	1156.5	1158.0	1181.5	1175.6	1190.3	1187.3	1185.9
17.5°	1122.8	1144.8	1131.6	1140.4	1136.0	1137.4	1160.9	1156.5	1171.2	1171.2	1169.7
20°	1093.4	1115.4	1105.2	1111.0	1108.1	1111.0	1131.6	1128.6	1143.3	1143.3	1143.3
22.5°	1061.1	1083.1	1071.4	1077.3	1074.3	1078.7	1097.8	1097.8	1109.6	1111.0	1112.5
25°	1024.4	1046.4	1034.7	1042.0	1039.1	1042.0	1059.7	1061.1	1071.4	1071.4	1074.3
27.5°	980.4	1002.4	990.7	996.5	995.1	996.5	1015.6	1018.6	1024.4	1025.9	1028.8
30°	927.6	948.1	936.4	942.2	942.2	942.2	961.3	962.8	968.7	970.1	973.1
32.5°	865.9	883.5	874.7	880.6	879.1	882.1	895.3	901.1	908.5	907.0	908.5
35°	795.5	814.6	805.7	810.2	811.6	816.0	824.8	832.2	833.6	835.1	838.0
37.5°	719.2	738.2	729.4	733.8	735.3	744.1	747.0	754.4	757.3	757.3	757.3
40°	645.8	654.6	647.2	651.6	653.1	660.4	663.4	669.3	672.2	670.7	669.3
42.5°	566.5	573.9	566.5	570.9	570.9	576.8	578.3	585.6	585.6	582.7	578.3
45°	488.7	496.1	488.7	491.7	491.7	497.5	497.5	497.5	500.5	496.1	488.7
47.5°	415.3	422.7	415.3	418.3	416.8	421.2	419.8	421.2	416.8	413.9	405.1
50°	349.3	352.2	349.3	347.8	349.3	352.2	350.8	350.8	344.9	340.5	330.2
52.5°	284.7	289.1	284.7	284.7	284.7	287.7	287.7	286.2	280.3	274.5	264.2
55°	230.4	233.4	231.9	230.4	230.4	233.4	230.4	230.4	224.6	220.1	209.9
57.5°	183.5	184.9	183.5	183.5	183.5	184.9	184.9	182.0	177.6	173.2	165.8
60°	142.4	143.8	143.8	142.4	142.4	145.3	145.3	143.8	139.4	136.5	129.2
62.5°	113.0	113.0	113.0	113.0	113.0	114.5	114.5	114.5	111.5	108.6	102.7
65°	89.5	91.0	89.5	89.5	91.0	92.5	91.0	92.5	89.5	88.1	83.7
67.5°	69.0	70.4	69.0	70.4	70.4	71.9	70.4	71.9	69.0	67.5	64.6
70°	52.8	52.8	52.8	52.8	52.8	54.3	52.8	54.3	52.8	51.4	48.4
72.5°	39.6	39.6	41.1	41.1	39.6	41.1	39.6	39.6	39.6	38.2	36.7
75°	29.4	29.4	30.8	29.4	29.4	29.4	29.4	29.4	27.9	27.9	26.4
77.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	19.1	19.1	17.6
80°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	11.7	11.7
82.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.3	7.3
85°	4.4	4.4	4.4	5.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	1.5	1.5	1.5	2.9	1.5	1.5	2.9	2.9	1.5	1.5	1.5
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°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1241.6	1246.0	1246.0	1241.6	1251.9	1243.1	1260.7	1244.6	1249.0	1263.7	1262.2
5°	1237.2	1243.1	1244.6	1241.6	1254.9	1247.5	1265.1	1249.0	1256.3	1271.0	1271.0
7.5°	1231.4	1238.7	1241.6	1244.6	1256.3	1249.0	1269.5	1253.4	1263.7	1281.3	1279.8
10°	1218.2	1228.4	1234.3	1238.7	1250.5	1246.0	1268.1	1254.9	1263.7	1284.2	1282.7
12.5°	1210.8	1222.6	1231.4	1238.7	1251.9	1249.0	1271.0	1259.3	1271.0	1291.5	1291.5
15°	1205.0	1218.2	1228.4	1241.6	1254.9	1251.9	1275.4	1265.1	1276.9	1301.8	1300.4
17.5°	1190.3	1206.4	1216.7	1231.4	1244.6	1243.1	1268.1	1260.7	1273.9	1297.4	1298.9
20°	1165.3	1180.0	1191.7	1209.4	1224.0	1221.1	1247.5	1240.2	1253.4	1278.3	1279.8
22.5°	1133.0	1147.7	1159.5	1178.5	1191.7	1190.3	1216.7	1209.4	1222.6	1246.0	1247.5
25°	1094.9	1108.1	1119.8	1137.4	1152.1	1152.1	1175.6	1168.3	1182.9	1206.4	1206.4
27.5°	1047.9	1059.7	1069.9	1090.5	1102.2	1102.2	1124.2	1116.9	1131.6	1152.1	1150.6
30°	990.7	1000.9	1009.8	1027.4	1037.6	1039.1	1058.2	1050.8	1065.5	1083.1	1083.1
32.5°	921.7	932.0	937.8	959.9	967.2	965.7	980.4	973.1	987.7	1006.8	1002.4
35°	848.3	852.7	857.1	879.1	882.1	876.2	890.9	883.5	893.8	912.9	910.0
37.5°	764.7	766.1	766.1	785.2	786.7	782.3	791.1	782.3	789.6	807.2	805.7
40°	672.2	670.7	669.3	683.9	682.5	673.7	679.5	672.2	682.5	695.7	688.3
42.5°	578.3	573.9	568.0	575.3	569.5	562.1	565.1	553.3	560.6	570.9	562.1
45°	485.8	477.0	465.2	466.7	459.4	450.6	446.2	434.4	433.0	443.2	435.9
47.5°	399.2	381.6	371.3	365.4	353.7	346.4	337.6	324.4	318.5	324.4	317.0
50°	321.4	303.8	290.6	277.4	265.6	256.8	242.2	233.4	224.6	226.0	220.1
52.5°	253.9	242.2	220.1	209.9	198.1	187.9	174.7	164.4	154.1	154.1	148.2
55°	201.1	184.9	170.2	155.6	143.8	135.0	121.8	111.5	101.3	99.8	93.9
57.5°	155.6	143.8	127.7	113.0	105.7	96.9	83.7	71.9	66.0	61.6	57.2
60°	120.3	108.6	95.4	83.7	74.9	69.0	55.8	47.0	41.1	38.2	33.8
62.5°	96.9	86.6	74.9	63.1	57.2	51.4	41.1	33.8	27.9	25.0	22.0
65°	77.8	69.0	60.2	51.4	47.0	41.1	33.8	27.9	23.5	20.5	17.6
67.5°	60.2	54.3	47.0	41.1	36.7	32.3	26.4	22.0	19.1	16.1	14.7
70°	45.5	41.1	36.7	30.8	27.9	25.0	20.5	16.1	14.7	13.2	11.7
72.5°	35.2	30.8	26.4	23.5	20.5	19.1	16.1	13.2	11.7	10.3	8.8
75°	23.5	22.0	19.1	16.1	14.7	13.2	11.7	10.3	8.8	7.3	7.3
77.5°	16.1	14.7	13.2	11.7	10.3	10.3	8.8	7.3	5.9	5.9	4.4
80°	10.3	8.8	8.8	7.3	7.3	7.3	5.9	4.4	4.4	4.4	2.9
82.5°	7.3	5.9	5.9	4.4	4.4	4.4	4.4	2.9	2.9	2.9	1.5
85°	4.4	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1250.5	1263.7	1263.7	1275.4	1276.9	1273.9	1260.7	1260.7	1278.3	1288.6	1271.0
5°	1262.2	1275.4	1275.4	1287.1	1293.0	1288.6	1275.4	1276.9	1294.5	1306.2	1288.6
7.5°	1272.5	1285.7	1288.6	1301.8	1306.2	1301.8	1288.6	1291.5	1310.6	1320.9	1303.3
10°	1276.9	1290.1	1291.5	1306.2	1312.1	1306.2	1295.9	1297.4	1318.0	1325.3	1309.2
12.5°	1287.1	1300.4	1300.4	1316.5	1322.4	1318.0	1304.8	1307.7	1328.2	1335.6	1319.4
15°	1297.4	1310.6	1310.6	1328.2	1335.6	1329.7	1319.4	1320.9	1341.4	1348.8	1335.6
17.5°	1297.4	1309.2	1309.2	1328.2	1335.6	1331.2	1319.4	1320.9	1342.9	1348.8	1335.6
20°	1278.3	1291.5	1288.6	1307.7	1315.0	1310.6	1300.4	1300.4	1322.4	1328.2	1315.0
22.5°	1247.5	1259.3	1256.3	1273.9	1282.7	1276.9	1268.1	1266.6	1288.6	1294.5	1281.3
25°	1205.0	1216.7	1213.8	1231.4	1240.2	1232.8	1222.6	1224.0	1241.6	1250.5	1238.7
27.5°	1155.1	1162.4	1158.0	1175.6	1184.4	1177.1	1166.8	1168.3	1185.9	1191.7	1182.9
30°	1087.5	1093.4	1089.0	1103.7	1109.6	1105.2	1096.3	1096.3	1112.5	1119.8	1111.0
32.5°	1006.8	1011.2	1006.8	1018.6	1030.3	1021.5	1012.7	1012.7	1030.3	1036.2	1025.9
35°	912.9	917.3	914.4	926.1	934.9	923.2	915.8	912.9	936.4	933.4	927.6
37.5°	808.7	811.6	802.8	823.4	827.8	814.6	808.7	805.7	826.3	824.8	819.0
40°	691.3	694.2	688.3	703.0	704.5	694.2	689.8	685.4	705.9	704.5	700.1
42.5°	566.5	568.0	560.6	572.4	575.3	565.1	563.6	557.7	576.8	573.9	572.4
45°	437.4	437.4	431.5	440.3	443.2	434.4	431.5	430.0	443.2	443.2	440.3
47.5°	317.0	312.6	305.3	318.5	320.0	314.1	312.6	308.2	321.4	321.4	318.5
50°	217.2	215.7	214.3	217.2	218.7	211.3	215.7	211.3	218.7	218.7	218.7
52.5°	145.3	143.8	140.9	143.8	143.8	139.4	139.4	138.0	143.8	143.8	140.9
55°	91.0	89.5	88.1	89.5	89.5	85.1	88.1	85.1	88.1	88.1	86.6
57.5°	55.8	52.8	52.8	51.4	51.4	48.4	49.9	49.9	49.9	49.9	49.9
60°	32.3	30.8	29.4	29.4	29.4	27.9	27.9	27.9	27.9	27.9	27.9
62.5°	20.5	20.5	19.1	19.1	19.1	19.1	19.1	17.6	19.1	19.1	19.1
65°	17.6	16.1	16.1	16.1	16.1	14.7	14.7	14.7	14.7	14.7	14.7
67.5°	14.7	13.2	13.2	13.2	13.2	11.7	11.7	11.7	11.7	11.7	11.7
70°	11.7	10.3	10.3	10.3	10.3	10.3	8.8	10.3	10.3	8.8	8.8
72.5°	8.8	8.8	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
75°	5.9	5.9	5.9	5.9	5.9	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	4.4	4.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	0.0	1.5	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: P212821

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1291.5	1276.9	1269.5	1284.2	1290.1	1282.7	1276.9	1266.6	1276.9	1282.7	1290.1
5°	1309.2	1295.9	1290.1	1300.4	1309.2	1301.8	1297.4	1287.1	1297.4	1301.8	1309.2
7.5°	1325.3	1312.1	1304.8	1315.0	1325.3	1315.0	1310.6	1301.8	1310.6	1315.0	1325.3
10°	1331.2	1316.5	1310.6	1319.4	1329.7	1319.4	1313.6	1307.7	1313.6	1319.4	1329.7
12.5°	1341.4	1326.8	1319.4	1326.8	1337.0	1326.8	1320.9	1316.5	1320.9	1326.8	1337.0
15°	1356.1	1342.9	1334.1	1341.4	1354.7	1342.9	1335.6	1334.1	1335.6	1342.9	1354.7
17.5°	1356.1	1345.8	1337.0	1342.9	1356.1	1347.3	1337.0	1340.0	1337.0	1347.3	1356.1
20°	1337.0	1326.8	1319.4	1319.4	1338.5	1326.8	1318.0	1322.4	1318.0	1326.8	1338.5
22.5°	1303.3	1294.5	1287.1	1285.7	1304.8	1294.5	1282.7	1291.5	1282.7	1294.5	1304.8
25°	1259.3	1250.5	1244.6	1241.6	1260.7	1249.0	1238.7	1247.5	1238.7	1249.0	1260.7
27.5°	1202.0	1194.7	1188.8	1184.4	1202.0	1191.7	1181.5	1190.3	1181.5	1191.7	1202.0
30°	1128.6	1124.2	1118.4	1112.5	1130.1	1119.8	1109.6	1121.3	1109.6	1119.8	1130.1
32.5°	1043.5	1040.6	1033.2	1027.4	1045.0	1033.2	1025.9	1034.7	1025.9	1033.2	1045.0
35°	945.2	940.8	936.4	926.1	945.2	934.9	934.9	937.8	934.9	934.9	945.2
37.5°	835.1	832.2	826.3	817.5	833.6	826.3	823.4	832.2	823.4	826.3	833.6
40°	711.8	710.3	705.9	695.7	713.3	705.9	701.5	713.3	701.5	705.9	713.3
42.5°	582.7	579.7	575.3	573.9	582.7	576.8	581.2	581.2	581.2	576.8	582.7
45°	449.1	446.2	443.2	437.4	447.6	444.7	443.2	446.2	443.2	444.7	447.6
47.5°	325.8	322.9	320.0	315.5	325.8	321.4	321.4	324.4	321.4	321.4	325.8
50°	218.7	220.1	218.7	215.7	218.7	217.2	218.7	221.6	218.7	217.2	218.7
52.5°	145.3	145.3	142.4	140.9	143.8	142.4	146.8	143.8	146.8	142.4	143.8
55°	88.1	89.5	88.1	86.6	88.1	86.6	91.0	89.5	91.0	86.6	88.1
57.5°	49.9	49.9	51.4	49.9	52.8	51.4	51.4	51.4	51.4	51.4	52.8
60°	27.9	27.9	27.9	27.9	27.9	27.9	29.4	27.9	29.4	27.9	27.9
62.5°	19.1	19.1	19.1	17.6	19.1	17.6	19.1	19.1	19.1	17.6	19.1
65°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
67.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
70°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
72.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	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: P212821

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1284.2	1269.5	1276.9	1291.5	1271.0	1288.6	1278.3	1260.7	1260.7	1273.9	1276.9
5°	1300.4	1290.1	1295.9	1309.2	1288.6	1306.2	1294.5	1276.9	1275.4	1288.6	1293.0
7.5°	1315.0	1304.8	1312.1	1325.3	1303.3	1320.9	1310.6	1291.5	1288.6	1301.8	1306.2
10°	1319.4	1310.6	1316.5	1331.2	1309.2	1325.3	1318.0	1297.4	1295.9	1306.2	1312.1
12.5°	1326.8	1319.4	1326.8	1341.4	1319.4	1335.6	1328.2	1307.7	1304.8	1318.0	1322.4
15°	1341.4	1334.1	1342.9	1356.1	1335.6	1348.8	1341.4	1320.9	1319.4	1329.7	1335.6
17.5°	1342.9	1337.0	1345.8	1356.1	1335.6	1348.8	1342.9	1320.9	1319.4	1331.2	1335.6
20°	1319.4	1319.4	1326.8	1337.0	1315.0	1328.2	1322.4	1300.4	1300.4	1310.6	1315.0
22.5°	1285.7	1287.1	1294.5	1303.3	1281.3	1294.5	1288.6	1266.6	1268.1	1276.9	1282.7
25°	1241.6	1244.6	1250.5	1259.3	1238.7	1250.5	1241.6	1224.0	1222.6	1232.8	1240.2
27.5°	1184.4	1188.8	1194.7	1202.0	1182.9	1191.7	1185.9	1168.3	1166.8	1177.1	1184.4
30°	1112.5	1118.4	1124.2	1128.6	1111.0	1119.8	1112.5	1096.3	1096.3	1105.2	1109.6
32.5°	1027.4	1033.2	1040.6	1043.5	1025.9	1036.2	1030.3	1012.7	1012.7	1021.5	1030.3
35°	926.1	936.4	940.8	945.2	927.6	933.4	936.4	912.9	915.8	923.2	934.9
37.5°	817.5	826.3	832.2	835.1	819.0	824.8	826.3	805.7	808.7	814.6	827.8
40°	695.7	705.9	710.3	711.8	700.1	704.5	705.9	685.4	689.8	694.2	704.5
42.5°	573.9	575.3	579.7	582.7	572.4	573.9	576.8	557.7	563.6	565.1	575.3
45°	437.4	443.2	446.2	449.1	440.3	443.2	443.2	430.0	431.5	434.4	443.2
47.5°	315.5	320.0	322.9	325.8	318.5	321.4	321.4	308.2	312.6	314.1	320.0
50°	215.7	218.7	220.1	218.7	218.7	218.7	218.7	211.3	215.7	211.3	218.7
52.5°	140.9	142.4	145.3	145.3	140.9	143.8	143.8	138.0	139.4	139.4	143.8
55°	86.6	88.1	89.5	88.1	86.6	88.1	88.1	85.1	88.1	85.1	89.5
57.5°	49.9	51.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	48.4	51.4
60°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	29.4
62.5°	17.6	19.1	19.1	19.1	19.1	19.1	19.1	17.6	19.1	19.1	19.1
65°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	16.1
67.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	13.2
70°	8.8	8.8	8.8	8.8	8.8	8.8	10.3	10.3	8.8	10.3	10.3
72.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	0.0	1.5
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: P212821

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1275.4	1263.7	1263.7	1250.5	1262.2	1263.7	1249.0	1244.6	1260.7	1243.1	1251.9
5°	1287.1	1275.4	1275.4	1262.2	1271.0	1271.0	1256.3	1249.0	1265.1	1247.5	1254.9
7.5°	1301.8	1288.6	1285.7	1272.5	1279.8	1281.3	1263.7	1253.4	1269.5	1249.0	1256.3
10°	1306.2	1291.5	1290.1	1276.9	1282.7	1284.2	1263.7	1254.9	1268.1	1246.0	1250.5
12.5°	1316.5	1300.4	1300.4	1287.1	1291.5	1291.5	1271.0	1259.3	1271.0	1249.0	1251.9
15°	1328.2	1310.6	1310.6	1297.4	1300.4	1301.8	1276.9	1265.1	1275.4	1251.9	1254.9
17.5°	1328.2	1309.2	1309.2	1297.4	1298.9	1297.4	1273.9	1260.7	1268.1	1243.1	1244.6
20°	1307.7	1288.6	1291.5	1278.3	1279.8	1278.3	1253.4	1240.2	1247.5	1221.1	1224.0
22.5°	1273.9	1256.3	1259.3	1247.5	1247.5	1246.0	1222.6	1209.4	1216.7	1190.3	1191.7
25°	1231.4	1213.8	1216.7	1205.0	1206.4	1206.4	1182.9	1168.3	1175.6	1152.1	1152.1
27.5°	1175.6	1158.0	1162.4	1155.1	1150.6	1152.1	1131.6	1116.9	1124.2	1102.2	1102.2
30°	1103.7	1089.0	1093.4	1087.5	1083.1	1083.1	1065.5	1050.8	1058.2	1039.1	1037.6
32.5°	1018.6	1006.8	1011.2	1006.8	1002.4	1006.8	987.7	973.1	980.4	965.7	967.2
35°	926.1	914.4	917.3	912.9	910.0	912.9	893.8	883.5	890.9	876.2	882.1
37.5°	823.4	802.8	811.6	808.7	805.7	807.2	789.6	782.3	791.1	782.3	786.7
40°	703.0	688.3	694.2	691.3	688.3	695.7	682.5	672.2	679.5	673.7	682.5
42.5°	572.4	560.6	568.0	566.5	562.1	570.9	560.6	553.3	565.1	562.1	569.5
45°	440.3	431.5	437.4	437.4	435.9	443.2	433.0	434.4	446.2	450.6	459.4
47.5°	318.5	305.3	312.6	317.0	317.0	324.4	318.5	324.4	337.6	346.4	353.7
50°	217.2	214.3	215.7	217.2	220.1	226.0	224.6	233.4	242.2	256.8	265.6
52.5°	143.8	140.9	143.8	145.3	148.2	154.1	154.1	164.4	174.7	187.9	198.1
55°	89.5	88.1	89.5	91.0	93.9	99.8	101.3	111.5	121.8	135.0	143.8
57.5°	51.4	52.8	52.8	55.8	57.2	61.6	66.0	71.9	83.7	96.9	105.7
60°	29.4	29.4	30.8	32.3	33.8	38.2	41.1	47.0	55.8	69.0	74.9
62.5°	19.1	19.1	20.5	20.5	22.0	25.0	27.9	33.8	41.1	51.4	57.2
65°	16.1	16.1	16.1	17.6	17.6	20.5	23.5	27.9	33.8	41.1	47.0
67.5°	13.2	13.2	13.2	14.7	14.7	16.1	19.1	22.0	26.4	32.3	36.7
70°	10.3	10.3	10.3	11.7	11.7	13.2	14.7	16.1	20.5	25.0	27.9
72.5°	7.3	7.3	8.8	8.8	8.8	10.3	11.7	13.2	16.1	19.1	20.5
75°	5.9	5.9	5.9	5.9	7.3	7.3	8.8	10.3	11.7	13.2	14.7
77.5°	2.9	2.9	4.4	4.4	4.4	5.9	5.9	7.3	8.8	10.3	10.3
80°	2.9	2.9	2.9	2.9	2.9	4.4	4.4	4.4	5.9	7.3	7.3
82.5°	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9	4.4	4.4	4.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
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: P212821

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1241.6	1246.0	1246.0	1241.6	1229.9	1240.2	1250.5	1240.2	1253.4	1229.9	1229.9
5°	1241.6	1244.6	1243.1	1237.2	1225.5	1234.3	1241.6	1231.4	1241.6	1219.6	1218.2
7.5°	1244.6	1241.6	1238.7	1231.4	1216.7	1222.6	1229.9	1218.2	1228.4	1205.0	1202.0
10°	1238.7	1234.3	1228.4	1218.2	1202.0	1206.4	1210.8	1200.5	1207.9	1184.4	1182.9
12.5°	1238.7	1231.4	1222.6	1210.8	1193.2	1196.1	1200.5	1187.3	1193.2	1171.2	1168.3
15°	1241.6	1228.4	1218.2	1205.0	1185.9	1187.3	1190.3	1175.6	1181.5	1158.0	1156.5
17.5°	1231.4	1216.7	1206.4	1190.3	1169.7	1171.2	1171.2	1156.5	1160.9	1137.4	1136.0
20°	1209.4	1191.7	1180.0	1165.3	1143.3	1143.3	1143.3	1128.6	1131.6	1111.0	1108.1
22.5°	1178.5	1159.5	1147.7	1133.0	1112.5	1111.0	1109.6	1097.8	1097.8	1078.7	1074.3
25°	1137.4	1119.8	1108.1	1094.9	1074.3	1071.4	1071.4	1061.1	1059.7	1042.0	1039.1
27.5°	1090.5	1069.9	1059.7	1047.9	1028.8	1025.9	1024.4	1018.6	1015.6	996.5	995.1
30°	1027.4	1009.8	1000.9	990.7	973.1	970.1	968.7	962.8	961.3	942.2	942.2
32.5°	959.9	937.8	932.0	921.7	908.5	907.0	908.5	901.1	895.3	882.1	879.1
35°	879.1	857.1	852.7	848.3	838.0	835.1	833.6	832.2	824.8	816.0	811.6
37.5°	785.2	766.1	766.1	764.7	757.3	757.3	757.3	754.4	747.0	744.1	735.3
40°	683.9	669.3	670.7	672.2	669.3	670.7	672.2	669.3	663.4	660.4	653.1
42.5°	575.3	568.0	573.9	578.3	578.3	582.7	585.6	585.6	578.3	576.8	570.9
45°	466.7	465.2	477.0	485.8	488.7	496.1	500.5	497.5	497.5	497.5	491.7
47.5°	365.4	371.3	381.6	399.2	405.1	413.9	416.8	421.2	419.8	421.2	416.8
50°	277.4	290.6	303.8	321.4	330.2	340.5	344.9	350.8	350.8	352.2	349.3
52.5°	209.9	220.1	242.2	253.9	264.2	274.5	280.3	286.2	287.7	287.7	284.7
55°	155.6	170.2	184.9	201.1	209.9	220.1	224.6	230.4	230.4	233.4	230.4
57.5°	113.0	127.7	143.8	155.6	165.8	173.2	177.6	182.0	184.9	184.9	183.5
60°	83.7	95.4	108.6	120.3	129.2	136.5	139.4	143.8	145.3	145.3	142.4
62.5°	63.1	74.9	86.6	96.9	102.7	108.6	111.5	114.5	114.5	114.5	113.0
65°	51.4	60.2	69.0	77.8	83.7	88.1	89.5	92.5	91.0	92.5	91.0
67.5°	41.1	47.0	54.3	60.2	64.6	67.5	69.0	71.9	70.4	71.9	70.4
70°	30.8	36.7	41.1	45.5	48.4	51.4	52.8	54.3	52.8	54.3	52.8
72.5°	23.5	26.4	30.8	35.2	36.7	38.2	39.6	39.6	39.6	41.1	39.6
75°	16.1	19.1	22.0	23.5	26.4	27.9	27.9	29.4	29.4	29.4	29.4
77.5°	11.7	13.2	14.7	16.1	17.6	19.1	19.1	20.5	20.5	20.5	20.5
80°	7.3	8.8	8.8	10.3	11.7	11.7	13.2	13.2	13.2	13.2	13.2
82.5°	4.4	5.9	5.9	7.3	7.3	7.3	8.8	8.8	8.8	8.8	8.8
85°	2.9	2.9	2.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	1.5	1.5
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: P212821

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1260.7	1260.7	1260.7	1260.7
2.5°	1241.6	1234.3	1246.0	1228.4
5°	1228.4	1221.1	1235.8	1213.8
7.5°	1212.3	1205.0	1218.2	1196.1
10°	1191.7	1184.4	1196.1	1172.7
12.5°	1174.1	1166.8	1180.0	1158.0
15°	1160.9	1153.6	1165.3	1144.8
17.5°	1140.4	1131.6	1144.8	1122.8
20°	1111.0	1105.2	1115.4	1093.4
22.5°	1077.3	1071.4	1083.1	1061.1
25°	1042.0	1034.7	1046.4	1024.4
27.5°	996.5	990.7	1002.4	980.4
30°	942.2	936.4	948.1	927.6
32.5°	880.6	874.7	883.5	865.9
35°	810.2	805.7	814.6	795.5
37.5°	733.8	729.4	738.2	719.2
40°	651.6	647.2	654.6	645.8
42.5°	570.9	566.5	573.9	566.5
45°	491.7	488.7	496.1	488.7
47.5°	418.3	415.3	422.7	415.3
50°	347.8	349.3	352.2	349.3
52.5°	284.7	284.7	289.1	284.7
55°	230.4	231.9	233.4	230.4
57.5°	183.5	183.5	184.9	183.5
60°	142.4	143.8	143.8	142.4
62.5°	113.0	113.0	113.0	113.0
65°	89.5	89.5	91.0	89.5
67.5°	70.4	69.0	70.4	69.0
70°	52.8	52.8	52.8	52.8
72.5°	41.1	41.1	39.6	39.6
75°	29.4	30.8	29.4	29.4
77.5°	20.5	20.5	20.5	20.5
80°	13.2	13.2	13.2	13.2
82.5°	8.8	8.8	8.8	8.8
85°	5.9	4.4	4.4	4.4
87.5°	2.9	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)