

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: P212799

Luminaire Tested: **LD6B20D010 EU6B10208040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212799
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: LD6B20D010 EU6B10208040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2017.1 lumens
Efficiency: N/A
Efficacy: 97.0 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

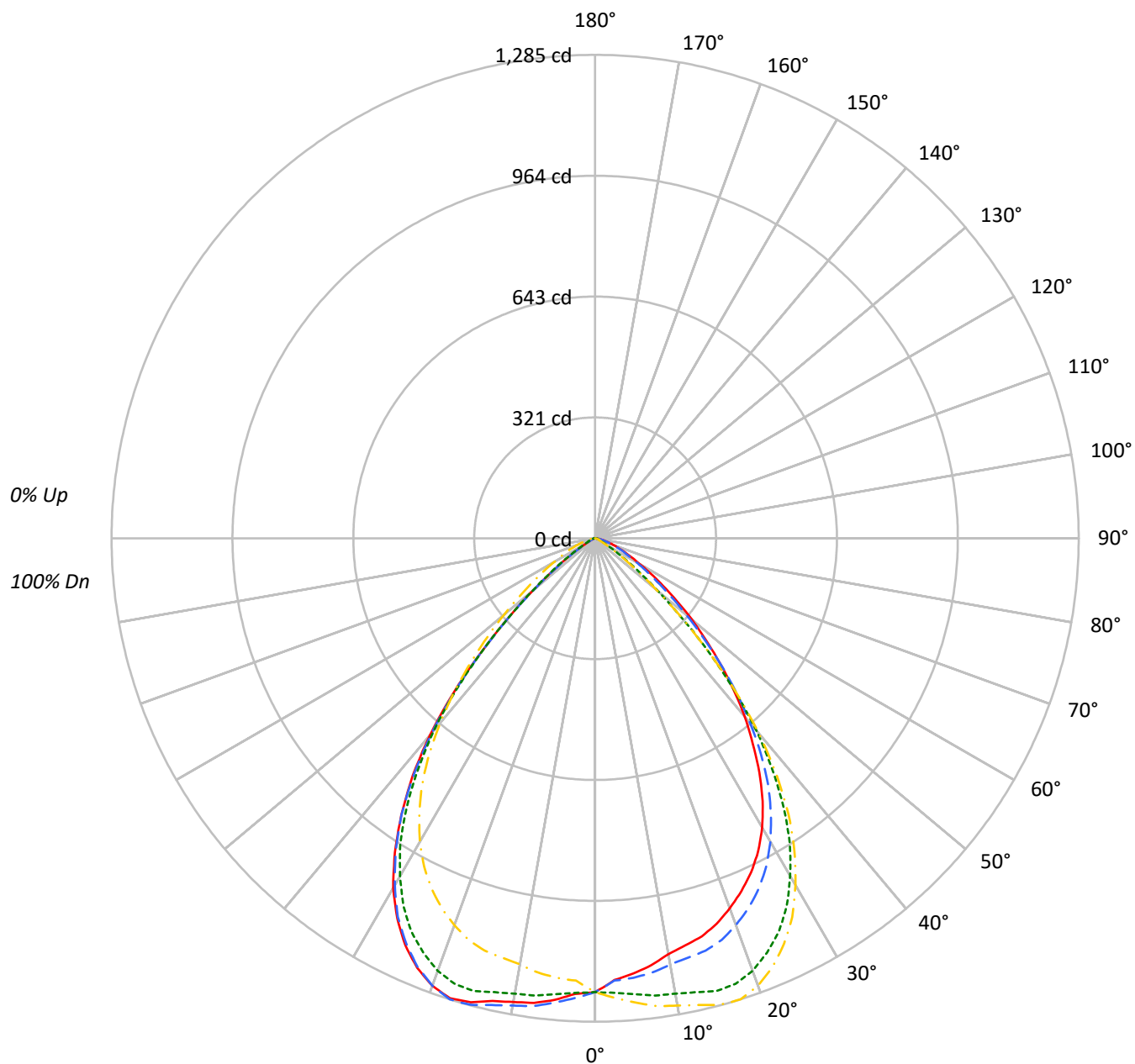
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	66135	66135	66135	66135
5°	63917	66932	67780	66932
10°	62468	68408	69660	68408
15°	62174	70704	72458	70704
20°	61039	71365	73821	71365
25°	59296	69833	72210	69833
30°	56186	65611	67922	65611
35°	50942	58464	60063	58464
40°	44226	47639	48849	47639
45°	36260	32887	33104	32887
50°	28511	18447	18089	18447
55°	21075	9128	8191	9128
60°	14933	4002	2927	4002
65°	11117	2555	1816	2555
70°	8110	2020	1346	2020
75°	5952	1483	890	1483
80°	3978	1326	442	1326
85°	2642	881	881	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	5.7
10°-20°	342.1	17.0
20°-30°	510.5	25.3
30°-40°	524.5	26.0
40°-50°	339.6	16.8
50°-60°	126.3	6.3
60°-70°	41.4	2.1
70°-80°	14.6	0.7
80°-90°	2.6	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°	968.0	48.0
0°-40°	1492.5	74.0
0°-60°	1958.4	97.1
0°-90°	2017.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2017.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1206	1206	1206	1206	1206	
5°	1162	1216	1232	1216	1162	110
15°	1096	1246	1277	1246	1096	308
25°	980	1154	1194	1154	980	449
35°	761	874	898	874	761	473
45°	468	424	427	424	468	362
55°	220	96	86	96	220	201
65°	86	20	14	20	86	87
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°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1175.5	1192.4	1181.2	1188.2	1176.9	1176.9	1199.4	1186.8	1196.6	1186.8	1176.9
5°	1161.5	1182.6	1168.5	1175.5	1165.7	1167.1	1188.2	1178.4	1188.2	1181.2	1172.7
7.5°	1144.6	1165.7	1153.1	1160.1	1150.3	1153.1	1175.5	1165.7	1176.9	1169.9	1164.3
10°	1122.2	1144.6	1133.4	1140.4	1132.0	1133.4	1155.9	1148.9	1158.7	1154.5	1150.3
12.5°	1108.1	1129.2	1116.6	1123.6	1118.0	1120.8	1141.8	1136.2	1148.9	1144.6	1141.8
15°	1095.5	1115.2	1103.9	1110.9	1106.7	1108.1	1130.6	1125.0	1139.0	1136.2	1134.8
17.5°	1074.4	1095.5	1082.8	1091.3	1087.1	1088.5	1110.9	1106.7	1120.8	1120.8	1119.4
20°	1046.3	1067.4	1057.6	1063.2	1060.4	1063.2	1082.8	1080.0	1094.1	1094.1	1094.1
22.5°	1015.4	1036.5	1025.3	1030.9	1028.1	1032.3	1050.5	1050.5	1061.8	1063.2	1064.6
25°	980.3	1001.4	990.2	997.2	994.4	997.2	1014.0	1015.4	1025.3	1025.3	1028.1
27.5°	938.2	959.3	948.0	953.6	952.2	953.6	971.9	974.7	980.3	981.7	984.5
30°	887.6	907.3	896.1	901.7	901.7	901.7	919.9	921.3	927.0	928.4	931.2
32.5°	828.6	845.5	837.1	842.7	841.3	844.1	856.7	862.3	869.4	868.0	869.4
35°	761.2	779.5	771.1	775.3	776.7	780.9	789.3	796.3	797.7	799.1	802.0
37.5°	688.2	706.4	698.0	702.2	703.6	712.1	714.9	721.9	724.7	724.7	724.7
40°	618.0	626.4	619.4	623.6	625.0	632.0	634.8	640.4	643.2	641.8	640.4
42.5°	542.1	549.1	542.1	546.3	546.3	552.0	553.4	560.4	560.4	557.6	553.4
45°	467.7	474.7	467.7	470.5	470.5	476.1	476.1	476.1	478.9	474.7	467.7
47.5°	397.5	404.5	397.5	400.3	398.9	403.1	401.7	403.1	398.9	396.1	387.6
50°	334.3	337.1	334.3	332.9	334.3	337.1	335.7	335.7	330.1	325.8	316.0
52.5°	272.5	276.7	272.5	272.5	272.5	275.3	275.3	273.9	268.3	262.6	252.8
55°	220.5	223.3	221.9	220.5	220.5	223.3	220.5	220.5	214.9	210.7	200.8
57.5°	175.6	177.0	175.6	175.6	175.6	177.0	177.0	174.2	169.9	165.7	158.7
60°	136.2	137.6	137.6	136.2	136.2	139.0	139.0	137.6	133.4	130.6	123.6
62.5°	108.1	108.1	108.1	108.1	108.1	109.5	109.5	109.5	106.7	103.9	98.3
65°	85.7	87.1	85.7	85.7	87.1	88.5	87.1	88.5	85.7	84.3	80.1
67.5°	66.0	67.4	66.0	67.4	67.4	68.8	67.4	68.8	66.0	64.6	61.8
70°	50.6	50.6	50.6	50.6	50.6	52.0	50.6	52.0	50.6	49.2	46.3
72.5°	37.9	37.9	39.3	39.3	37.9	39.3	37.9	37.9	37.9	36.5	35.1
75°	28.1	28.1	29.5	28.1	28.1	28.1	28.1	28.1	26.7	26.7	25.3
77.5°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	18.3	18.3	16.9
80°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	11.2	11.2
82.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.0	7.0
85°	4.2	4.2	4.2	5.6	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1188.2	1192.4	1192.4	1188.2	1198.0	1189.6	1206.4	1191.0	1195.2	1209.3	1207.8
5°	1184.0	1189.6	1191.0	1188.2	1200.8	1193.8	1210.7	1195.2	1202.2	1216.3	1216.3
7.5°	1178.4	1185.4	1188.2	1191.0	1202.2	1195.2	1214.9	1199.4	1209.3	1226.1	1224.7
10°	1165.7	1175.5	1181.2	1185.4	1196.6	1192.4	1213.5	1200.8	1209.3	1228.9	1227.5
12.5°	1158.7	1169.9	1178.4	1185.4	1198.0	1195.2	1216.3	1205.0	1216.3	1235.9	1235.9
15°	1153.1	1165.7	1175.5	1188.2	1200.8	1198.0	1220.5	1210.7	1221.9	1245.8	1244.4
17.5°	1139.0	1154.5	1164.3	1178.4	1191.0	1189.6	1213.5	1206.4	1219.1	1241.6	1243.0
20°	1115.2	1129.2	1140.4	1157.3	1171.3	1168.5	1193.8	1186.8	1199.4	1223.3	1224.7
22.5°	1084.3	1098.3	1109.5	1127.8	1140.4	1139.0	1164.3	1157.3	1169.9	1192.4	1193.8
25°	1047.7	1060.4	1071.6	1088.5	1102.5	1102.5	1125.0	1118.0	1132.0	1154.5	1154.5
27.5°	1002.8	1014.0	1023.9	1043.5	1054.8	1054.8	1075.8	1068.8	1082.8	1102.5	1101.1
30°	948.0	957.8	966.3	983.1	993.0	994.4	1012.6	1005.6	1019.6	1036.5	1036.5
32.5°	882.0	891.8	897.5	918.5	925.5	924.1	938.2	931.2	945.2	963.5	959.3
35°	811.8	816.0	820.2	841.3	844.1	838.5	852.5	845.5	855.3	873.6	870.8
37.5°	731.7	733.1	733.1	751.4	752.8	748.6	757.0	748.6	755.6	772.5	771.1
40°	643.2	641.8	640.4	654.5	653.1	644.7	650.3	643.2	653.1	665.7	658.7
42.5°	553.4	549.1	543.5	550.6	544.9	537.9	540.7	529.5	536.5	546.3	537.9
45°	464.9	456.5	445.2	446.6	439.6	431.2	427.0	415.7	414.3	424.2	417.1
47.5°	382.0	365.2	355.3	349.7	338.5	331.5	323.0	310.4	304.8	310.4	303.4
50°	307.6	290.7	278.1	265.4	254.2	245.8	231.7	223.3	214.9	216.3	210.7
52.5°	243.0	231.7	210.7	200.8	189.6	179.8	167.1	157.3	147.5	147.5	141.9
55°	192.4	177.0	162.9	148.9	137.6	129.2	116.6	106.7	96.9	95.5	89.9
57.5°	148.9	137.6	122.2	108.1	101.1	92.7	80.1	68.8	63.2	59.0	54.8
60°	115.2	103.9	91.3	80.1	71.6	66.0	53.4	44.9	39.3	36.5	32.3
62.5°	92.7	82.9	71.6	60.4	54.8	49.2	39.3	32.3	26.7	23.9	21.1
65°	74.4	66.0	57.6	49.2	44.9	39.3	32.3	26.7	22.5	19.7	16.9
67.5°	57.6	52.0	44.9	39.3	35.1	30.9	25.3	21.1	18.3	15.4	14.0
70°	43.5	39.3	35.1	29.5	26.7	23.9	19.7	15.4	14.0	12.6	11.2
72.5°	33.7	29.5	25.3	22.5	19.7	18.3	15.4	12.6	11.2	9.8	8.4
75°	22.5	21.1	18.3	15.4	14.0	12.6	11.2	9.8	8.4	7.0	7.0
77.5°	15.4	14.0	12.6	11.2	9.8	9.8	8.4	7.0	5.6	5.6	4.2
80°	9.8	8.4	8.4	7.0	7.0	7.0	5.6	4.2	4.2	4.2	2.8
82.5°	7.0	5.6	5.6	4.2	4.2	4.2	4.2	2.8	2.8	2.8	1.4
85°	4.2	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°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1196.6	1209.3	1209.3	1220.5	1221.9	1219.1	1206.4	1206.4	1223.3	1233.1	1216.3
5°	1207.8	1220.5	1220.5	1231.7	1237.3	1233.1	1220.5	1221.9	1238.7	1250.0	1233.1
7.5°	1217.7	1230.3	1233.1	1245.8	1250.0	1245.8	1233.1	1235.9	1254.2	1264.0	1247.2
10°	1221.9	1234.5	1235.9	1250.0	1255.6	1250.0	1240.1	1241.6	1261.2	1268.2	1252.8
12.5°	1231.7	1244.4	1244.4	1259.8	1265.4	1261.2	1248.6	1251.4	1271.0	1278.1	1262.6
15°	1241.6	1254.2	1254.2	1271.0	1278.1	1272.5	1262.6	1264.0	1283.7	1290.7	1278.1
17.5°	1241.6	1252.8	1252.8	1271.0	1278.1	1273.9	1262.6	1264.0	1285.1	1290.7	1278.1
20°	1223.3	1235.9	1233.1	1251.4	1258.4	1254.2	1244.4	1244.4	1265.4	1271.0	1258.4
22.5°	1193.8	1205.0	1202.2	1219.1	1227.5	1221.9	1213.5	1212.1	1233.1	1238.7	1226.1
25°	1153.1	1164.3	1161.5	1178.4	1186.8	1179.8	1169.9	1171.3	1188.2	1196.6	1185.4
27.5°	1105.3	1112.3	1108.1	1125.0	1133.4	1126.4	1116.6	1118.0	1134.8	1140.4	1132.0
30°	1040.7	1046.3	1042.1	1056.2	1061.8	1057.6	1049.1	1049.1	1064.6	1071.6	1063.2
32.5°	963.5	967.7	963.5	974.7	985.9	977.5	969.1	969.1	985.9	991.6	981.7
35°	873.6	877.8	875.0	886.2	894.6	883.4	876.4	873.6	896.1	893.2	887.6
37.5°	773.9	776.7	768.2	787.9	792.1	779.5	773.9	771.1	790.7	789.3	783.7
40°	661.5	664.3	658.7	672.7	674.1	664.3	660.1	655.9	675.6	674.1	669.9
42.5°	542.1	543.5	536.5	547.7	550.6	540.7	539.3	533.7	552.0	549.1	547.7
45°	418.5	418.5	412.9	421.3	424.2	415.7	412.9	411.5	424.2	424.2	421.3
47.5°	303.4	299.2	292.1	304.8	306.2	300.6	299.2	294.9	307.6	307.6	304.8
50°	207.9	206.5	205.1	207.9	209.3	202.2	206.5	202.2	209.3	209.3	209.3
52.5°	139.0	137.6	134.8	137.6	137.6	133.4	133.4	132.0	137.6	137.6	134.8
55°	87.1	85.7	84.3	85.7	85.7	81.5	84.3	81.5	84.3	84.3	82.9
57.5°	53.4	50.6	50.6	49.2	49.2	46.3	47.8	47.8	47.8	47.8	47.8
60°	30.9	29.5	28.1	28.1	28.1	26.7	26.7	26.7	26.7	26.7	26.7
62.5°	19.7	19.7	18.3	18.3	18.3	18.3	18.3	16.9	18.3	18.3	18.3
65°	16.9	15.4	15.4	15.4	15.4	14.0	14.0	14.0	14.0	14.0	14.0
67.5°	14.0	12.6	12.6	12.6	12.6	11.2	11.2	11.2	11.2	11.2	11.2
70°	11.2	9.8	9.8	9.8	9.8	9.8	8.4	9.8	9.8	8.4	8.4
72.5°	8.4	8.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75°	5.6	5.6	5.6	5.6	5.6	4.2	4.2	4.2	4.2	4.2	4.2
77.5°	4.2	4.2	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: P212799

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1235.9	1221.9	1214.9	1228.9	1234.5	1227.5	1221.9	1212.1	1221.9	1227.5	1234.5
5°	1252.8	1240.1	1234.5	1244.4	1252.8	1245.8	1241.6	1231.7	1241.6	1245.8	1252.8
7.5°	1268.2	1255.6	1248.6	1258.4	1268.2	1258.4	1254.2	1245.8	1254.2	1258.4	1268.2
10°	1273.9	1259.8	1254.2	1262.6	1272.5	1262.6	1257.0	1251.4	1257.0	1262.6	1272.5
12.5°	1283.7	1269.6	1262.6	1269.6	1279.5	1269.6	1264.0	1259.8	1264.0	1269.6	1279.5
15°	1297.7	1285.1	1276.7	1283.7	1296.3	1285.1	1278.1	1276.7	1278.1	1285.1	1296.3
17.5°	1297.7	1287.9	1279.5	1285.1	1297.7	1289.3	1279.5	1282.3	1279.5	1289.3	1297.7
20°	1279.5	1269.6	1262.6	1262.6	1280.9	1269.6	1261.2	1265.4	1261.2	1269.6	1280.9
22.5°	1247.2	1238.7	1231.7	1230.3	1248.6	1238.7	1227.5	1235.9	1227.5	1238.7	1248.6
25°	1205.0	1196.6	1191.0	1188.2	1206.4	1195.2	1185.4	1193.8	1185.4	1195.2	1206.4
27.5°	1150.3	1143.2	1137.6	1133.4	1150.3	1140.4	1130.6	1139.0	1130.6	1140.4	1150.3
30°	1080.0	1075.8	1070.2	1064.6	1081.4	1071.6	1061.8	1073.0	1061.8	1071.6	1081.4
32.5°	998.6	995.8	988.7	983.1	1000.0	988.7	981.7	990.2	981.7	988.7	1000.0
35°	904.5	900.3	896.1	886.2	904.5	894.6	894.6	897.5	894.6	894.6	904.5
37.5°	799.1	796.3	790.7	782.3	797.7	790.7	787.9	796.3	787.9	790.7	797.7
40°	681.2	679.8	675.6	665.7	682.6	675.6	671.3	682.6	671.3	675.6	682.6
42.5°	557.6	554.8	550.6	549.1	557.6	552.0	556.2	556.2	556.2	552.0	557.6
45°	429.8	427.0	424.2	418.5	428.4	425.6	424.2	427.0	424.2	425.6	428.4
47.5°	311.8	309.0	306.2	302.0	311.8	307.6	307.6	310.4	307.6	307.6	311.8
50°	209.3	210.7	209.3	206.5	209.3	207.9	209.3	212.1	209.3	207.9	209.3
52.5°	139.0	139.0	136.2	134.8	137.6	136.2	140.4	137.6	140.4	136.2	137.6
55°	84.3	85.7	84.3	82.9	84.3	82.9	87.1	85.7	87.1	82.9	84.3
57.5°	47.8	47.8	49.2	47.8	50.6	49.2	49.2	49.2	49.2	49.2	50.6
60°	26.7	26.7	26.7	26.7	26.7	26.7	28.1	26.7	28.1	26.7	26.7
62.5°	18.3	18.3	18.3	16.9	18.3	16.9	18.3	18.3	18.3	16.9	18.3
65°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
70°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
72.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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: P212799

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1228.9	1214.9	1221.9	1235.9	1216.3	1233.1	1223.3	1206.4	1206.4	1219.1	1221.9
5°	1244.4	1234.5	1240.1	1252.8	1233.1	1250.0	1238.7	1221.9	1220.5	1233.1	1237.3
7.5°	1258.4	1248.6	1255.6	1268.2	1247.2	1264.0	1254.2	1235.9	1233.1	1245.8	1250.0
10°	1262.6	1254.2	1259.8	1273.9	1252.8	1268.2	1261.2	1241.6	1240.1	1250.0	1255.6
12.5°	1269.6	1262.6	1269.6	1283.7	1262.6	1278.1	1271.0	1251.4	1248.6	1261.2	1265.4
15°	1283.7	1276.7	1285.1	1297.7	1278.1	1290.7	1283.7	1264.0	1262.6	1272.5	1278.1
17.5°	1285.1	1279.5	1287.9	1297.7	1278.1	1290.7	1285.1	1264.0	1262.6	1273.9	1278.1
20°	1262.6	1262.6	1269.6	1279.5	1258.4	1271.0	1265.4	1244.4	1244.4	1254.2	1258.4
22.5°	1230.3	1231.7	1238.7	1247.2	1226.1	1238.7	1233.1	1212.1	1213.5	1221.9	1227.5
25°	1188.2	1191.0	1196.6	1205.0	1185.4	1196.6	1188.2	1171.3	1169.9	1179.8	1186.8
27.5°	1133.4	1137.6	1143.2	1150.3	1132.0	1140.4	1134.8	1118.0	1116.6	1126.4	1133.4
30°	1064.6	1070.2	1075.8	1080.0	1063.2	1071.6	1064.6	1049.1	1049.1	1057.6	1061.8
32.5°	983.1	988.7	995.8	998.6	981.7	991.6	985.9	969.1	969.1	977.5	985.9
35°	886.2	896.1	900.3	904.5	887.6	893.2	896.1	873.6	876.4	883.4	894.6
37.5°	782.3	790.7	796.3	799.1	783.7	789.3	790.7	771.1	773.9	779.5	792.1
40°	665.7	675.6	679.8	681.2	669.9	674.1	675.6	655.9	660.1	664.3	674.1
42.5°	549.1	550.6	554.8	557.6	547.7	549.1	552.0	533.7	539.3	540.7	550.6
45°	418.5	424.2	427.0	429.8	421.3	424.2	424.2	411.5	412.9	415.7	424.2
47.5°	302.0	306.2	309.0	311.8	304.8	307.6	307.6	294.9	299.2	300.6	306.2
50°	206.5	209.3	210.7	209.3	209.3	209.3	209.3	202.2	206.5	202.2	209.3
52.5°	134.8	136.2	139.0	139.0	134.8	137.6	137.6	132.0	133.4	133.4	137.6
55°	82.9	84.3	85.7	84.3	82.9	84.3	84.3	81.5	84.3	81.5	85.7
57.5°	47.8	49.2	47.8	47.8	47.8	47.8	47.8	47.8	47.8	46.3	49.2
60°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	28.1
62.5°	16.9	18.3	18.3	18.3	18.3	18.3	18.3	16.9	18.3	18.3	18.3
65°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	15.4
67.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	12.6
70°	8.4	8.4	8.4	8.4	8.4	8.4	9.8	9.8	8.4	9.8	9.8
72.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6
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: P212799

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1220.5	1209.3	1209.3	1196.6	1207.8	1209.3	1195.2	1191.0	1206.4	1189.6	1198.0
5°	1231.7	1220.5	1220.5	1207.8	1216.3	1216.3	1202.2	1195.2	1210.7	1193.8	1200.8
7.5°	1245.8	1233.1	1230.3	1217.7	1224.7	1226.1	1209.3	1199.4	1214.9	1195.2	1202.2
10°	1250.0	1235.9	1234.5	1221.9	1227.5	1228.9	1209.3	1200.8	1213.5	1192.4	1196.6
12.5°	1259.8	1244.4	1244.4	1231.7	1235.9	1235.9	1216.3	1205.0	1216.3	1195.2	1198.0
15°	1271.0	1254.2	1254.2	1241.6	1244.4	1245.8	1221.9	1210.7	1220.5	1198.0	1200.8
17.5°	1271.0	1252.8	1252.8	1241.6	1243.0	1241.6	1219.1	1206.4	1213.5	1189.6	1191.0
20°	1251.4	1233.1	1235.9	1223.3	1224.7	1223.3	1199.4	1186.8	1193.8	1168.5	1171.3
22.5°	1219.1	1202.2	1205.0	1193.8	1193.8	1192.4	1169.9	1157.3	1164.3	1139.0	1140.4
25°	1178.4	1161.5	1164.3	1153.1	1154.5	1154.5	1132.0	1118.0	1125.0	1102.5	1102.5
27.5°	1125.0	1108.1	1112.3	1105.3	1101.1	1102.5	1082.8	1068.8	1075.8	1054.8	1054.8
30°	1056.2	1042.1	1046.3	1040.7	1036.5	1036.5	1019.6	1005.6	1012.6	994.4	993.0
32.5°	974.7	963.5	967.7	963.5	959.3	963.5	945.2	931.2	938.2	924.1	925.5
35°	886.2	875.0	877.8	873.6	870.8	873.6	855.3	845.5	852.5	838.5	844.1
37.5°	787.9	768.2	776.7	773.9	771.1	772.5	755.6	748.6	757.0	748.6	752.8
40°	672.7	658.7	664.3	661.5	658.7	665.7	653.1	643.2	650.3	644.7	653.1
42.5°	547.7	536.5	543.5	542.1	537.9	546.3	536.5	529.5	540.7	537.9	544.9
45°	421.3	412.9	418.5	418.5	417.1	424.2	414.3	415.7	427.0	431.2	439.6
47.5°	304.8	292.1	299.2	303.4	303.4	310.4	304.8	310.4	323.0	331.5	338.5
50°	207.9	205.1	206.5	207.9	210.7	216.3	214.9	223.3	231.7	245.8	254.2
52.5°	137.6	134.8	137.6	139.0	141.9	147.5	147.5	157.3	167.1	179.8	189.6
55°	85.7	84.3	85.7	87.1	89.9	95.5	96.9	106.7	116.6	129.2	137.6
57.5°	49.2	50.6	50.6	53.4	54.8	59.0	63.2	68.8	80.1	92.7	101.1
60°	28.1	28.1	29.5	30.9	32.3	36.5	39.3	44.9	53.4	66.0	71.6
62.5°	18.3	18.3	19.7	19.7	21.1	23.9	26.7	32.3	39.3	49.2	54.8
65°	15.4	15.4	15.4	16.9	16.9	19.7	22.5	26.7	32.3	39.3	44.9
67.5°	12.6	12.6	12.6	14.0	14.0	15.4	18.3	21.1	25.3	30.9	35.1
70°	9.8	9.8	9.8	11.2	11.2	12.6	14.0	15.4	19.7	23.9	26.7
72.5°	7.0	7.0	8.4	8.4	8.4	9.8	11.2	12.6	15.4	18.3	19.7
75°	5.6	5.6	5.6	5.6	7.0	7.0	8.4	9.8	11.2	12.6	14.0
77.5°	2.8	2.8	4.2	4.2	4.2	5.6	5.6	7.0	8.4	9.8	9.8
80°	2.8	2.8	2.8	2.8	2.8	4.2	4.2	4.2	5.6	7.0	7.0
82.5°	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	4.2	4.2	4.2
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: P212799

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1188.2	1192.4	1192.4	1188.2	1176.9	1186.8	1196.6	1186.8	1199.4	1176.9	1176.9
5°	1188.2	1191.0	1189.6	1184.0	1172.7	1181.2	1188.2	1178.4	1188.2	1167.1	1165.7
7.5°	1191.0	1188.2	1185.4	1178.4	1164.3	1169.9	1176.9	1165.7	1175.5	1153.1	1150.3
10°	1185.4	1181.2	1175.5	1165.7	1150.3	1154.5	1158.7	1148.9	1155.9	1133.4	1132.0
12.5°	1185.4	1178.4	1169.9	1158.7	1141.8	1144.6	1148.9	1136.2	1141.8	1120.8	1118.0
15°	1188.2	1175.5	1165.7	1153.1	1134.8	1136.2	1139.0	1125.0	1130.6	1108.1	1106.7
17.5°	1178.4	1164.3	1154.5	1139.0	1119.4	1120.8	1120.8	1106.7	1110.9	1088.5	1087.1
20°	1157.3	1140.4	1129.2	1115.2	1094.1	1094.1	1094.1	1080.0	1082.8	1063.2	1060.4
22.5°	1127.8	1109.5	1098.3	1084.3	1064.6	1063.2	1061.8	1050.5	1050.5	1032.3	1028.1
25°	1088.5	1071.6	1060.4	1047.7	1028.1	1025.3	1025.3	1015.4	1014.0	997.2	994.4
27.5°	1043.5	1023.9	1014.0	1002.8	984.5	981.7	980.3	974.7	971.9	953.6	952.2
30°	983.1	966.3	957.8	948.0	931.2	928.4	927.0	921.3	919.9	901.7	901.7
32.5°	918.5	897.5	891.8	882.0	869.4	868.0	869.4	862.3	856.7	844.1	841.3
35°	841.3	820.2	816.0	811.8	802.0	799.1	797.7	796.3	789.3	780.9	776.7
37.5°	751.4	733.1	733.1	731.7	724.7	724.7	724.7	721.9	714.9	712.1	703.6
40°	654.5	640.4	641.8	643.2	640.4	641.8	643.2	640.4	634.8	632.0	625.0
42.5°	550.6	543.5	549.1	553.4	553.4	557.6	560.4	560.4	553.4	552.0	546.3
45°	446.6	445.2	456.5	464.9	467.7	474.7	478.9	476.1	476.1	476.1	470.5
47.5°	349.7	355.3	365.2	382.0	387.6	396.1	398.9	403.1	401.7	403.1	398.9
50°	265.4	278.1	290.7	307.6	316.0	325.8	330.1	335.7	335.7	337.1	334.3
52.5°	200.8	210.7	231.7	243.0	252.8	262.6	268.3	273.9	275.3	275.3	272.5
55°	148.9	162.9	177.0	192.4	200.8	210.7	214.9	220.5	220.5	223.3	220.5
57.5°	108.1	122.2	137.6	148.9	158.7	165.7	169.9	174.2	177.0	177.0	175.6
60°	80.1	91.3	103.9	115.2	123.6	130.6	133.4	137.6	139.0	139.0	136.2
62.5°	60.4	71.6	82.9	92.7	98.3	103.9	106.7	109.5	109.5	109.5	108.1
65°	49.2	57.6	66.0	74.4	80.1	84.3	85.7	88.5	87.1	88.5	87.1
67.5°	39.3	44.9	52.0	57.6	61.8	64.6	66.0	68.8	67.4	68.8	67.4
70°	29.5	35.1	39.3	43.5	46.3	49.2	50.6	52.0	50.6	52.0	50.6
72.5°	22.5	25.3	29.5	33.7	35.1	36.5	37.9	37.9	37.9	39.3	37.9
75°	15.4	18.3	21.1	22.5	25.3	26.7	26.7	28.1	28.1	28.1	28.1
77.5°	11.2	12.6	14.0	15.4	16.9	18.3	18.3	19.7	19.7	19.7	19.7
80°	7.0	8.4	8.4	9.8	11.2	11.2	12.6	12.6	12.6	12.6	12.6
82.5°	4.2	5.6	5.6	7.0	7.0	7.0	8.4	8.4	8.4	8.4	8.4
85°	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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: P212799

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1206.4	1206.4	1206.4	1206.4
2.5°	1188.2	1181.2	1192.4	1175.5
5°	1175.5	1168.5	1182.6	1161.5
7.5°	1160.1	1153.1	1165.7	1144.6
10°	1140.4	1133.4	1144.6	1122.2
12.5°	1123.6	1116.6	1129.2	1108.1
15°	1110.9	1103.9	1115.2	1095.5
17.5°	1091.3	1082.8	1095.5	1074.4
20°	1063.2	1057.6	1067.4	1046.3
22.5°	1030.9	1025.3	1036.5	1015.4
25°	997.2	990.2	1001.4	980.3
27.5°	953.6	948.0	959.3	938.2
30°	901.7	896.1	907.3	887.6
32.5°	842.7	837.1	845.5	828.6
35°	775.3	771.1	779.5	761.2
37.5°	702.2	698.0	706.4	688.2
40°	623.6	619.4	626.4	618.0
42.5°	546.3	542.1	549.1	542.1
45°	470.5	467.7	474.7	467.7
47.5°	400.3	397.5	404.5	397.5
50°	332.9	334.3	337.1	334.3
52.5°	272.5	272.5	276.7	272.5
55°	220.5	221.9	223.3	220.5
57.5°	175.6	175.6	177.0	175.6
60°	136.2	137.6	137.6	136.2
62.5°	108.1	108.1	108.1	108.1
65°	85.7	85.7	87.1	85.7
67.5°	67.4	66.0	67.4	66.0
70°	50.6	50.6	50.6	50.6
72.5°	39.3	39.3	37.9	37.9
75°	28.1	29.5	28.1	28.1
77.5°	19.7	19.7	19.7	19.7
80°	12.6	12.6	12.6	12.6
82.5°	8.4	8.4	8.4	8.4
85°	5.6	4.2	4.2	4.2
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)