

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: P212798

Luminaire Tested: **LD6B20D010 EU6B10208035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212798
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 EU6B10208035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1995.7 lumens
Efficiency: N/A
Efficacy: 95.9 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

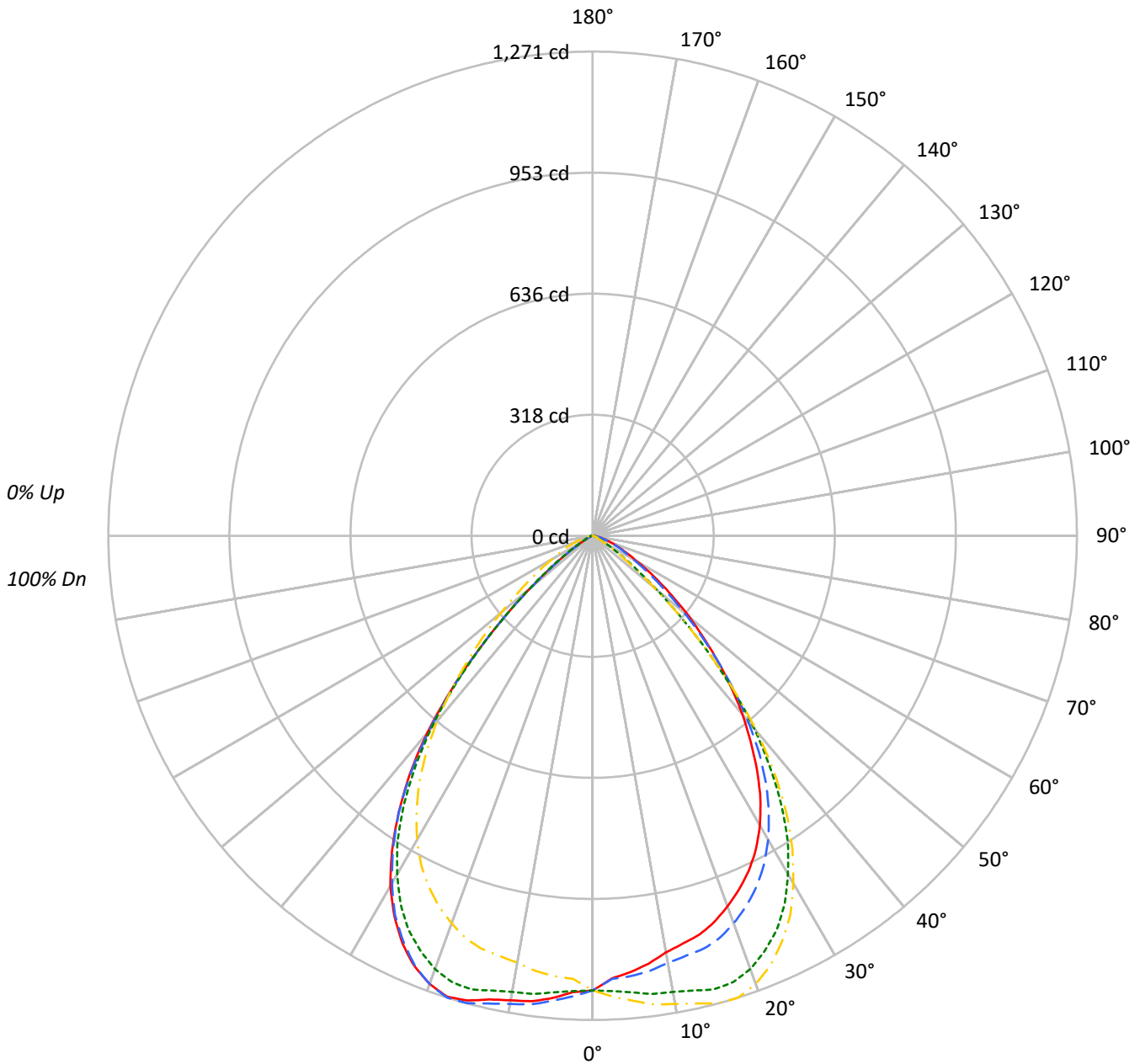
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	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	70	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°	65433	65433	65433	65433
5°	63240	66217	67059	66217
10°	61800	67684	68920	67684
15°	61510	69949	71686	69949
20°	60392	70607	73040	70607
25°	58667	69089	71442	69089
30°	55591	64915	67200	64915
35°	50400	57842	59421	57842
40°	43753	47131	48326	47131
45°	35872	32531	32748	32531
50°	28204	18251	17893	18251
55°	20855	9032	8105	9032
60°	14780	3958	2895	3958
65°	11000	2529	1803	2529
70°	8014	2004	1330	2004
75°	5888	1461	890	1461
80°	3946	1326	442	1326
85°	2642	881	881	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	5.7
10°-20°	338.4	17.0
20°-30°	505.0	25.3
30°-40°	518.9	26.0
40°-50°	336.0	16.8
50°-60°	124.9	6.3
60°-70°	41.0	2.1
70°-80°	14.5	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°	957.7	48.0
0°-40°	1476.6	74.0
0°-60°	1937.6	97.1
0°-90°	1995.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1995.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1194	1194	1194	1194	1194	
5°	1149	1203	1219	1203	1149	109
15°	1084	1232	1263	1232	1084	305
25°	970	1142	1181	1142	970	444
35°	753	864	888	864	753	468
45°	463	420	422	420	463	358
55°	218	94	85	94	218	199
65°	85	20	14	20	85	86
75°	28	7	4	7	28	31
85°	4	1	1	1	4	5
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°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1163.1	1179.7	1168.6	1175.6	1164.4	1164.4	1186.7	1174.2	1183.9	1174.2	1164.4
5°	1149.2	1170.0	1156.1	1163.1	1153.3	1154.7	1175.6	1165.8	1175.6	1168.6	1160.3
7.5°	1132.5	1153.3	1140.8	1147.8	1138.0	1140.8	1163.1	1153.3	1164.4	1157.5	1151.9
10°	1110.2	1132.5	1121.4	1128.3	1120.0	1121.4	1143.6	1136.7	1146.4	1142.2	1138.0
12.5°	1096.4	1117.2	1104.7	1111.6	1106.1	1108.9	1129.7	1124.1	1136.7	1132.5	1129.7
15°	1083.8	1103.3	1092.2	1099.1	1095.0	1096.4	1118.6	1113.0	1126.9	1124.1	1122.8
17.5°	1063.0	1083.8	1071.3	1079.7	1075.5	1076.9	1099.1	1095.0	1108.9	1108.9	1107.5
20°	1035.2	1056.1	1046.3	1051.9	1049.1	1051.9	1071.3	1068.6	1082.5	1082.5	1082.5
22.5°	1004.6	1025.5	1014.4	1019.9	1017.1	1021.3	1039.4	1039.4	1050.5	1051.9	1053.3
25°	969.9	990.7	979.6	986.6	983.8	986.6	1003.3	1004.6	1014.4	1014.4	1017.1
27.5°	928.2	949.1	937.9	943.5	942.1	943.5	961.6	964.3	969.9	971.3	974.1
30°	878.2	897.6	886.5	892.1	892.1	892.1	910.2	911.5	917.1	918.5	921.3
32.5°	819.8	836.5	828.2	833.7	832.3	835.1	847.6	853.2	860.1	858.7	860.1
35°	753.1	771.2	762.9	767.0	768.4	772.6	780.9	787.9	789.3	790.7	793.4
37.5°	680.9	698.9	690.6	694.8	696.2	704.5	707.3	714.2	717.0	717.0	717.0
40°	611.4	619.7	612.8	617.0	618.3	625.3	628.1	633.6	636.4	635.0	633.6
42.5°	536.4	543.3	536.4	540.5	540.5	546.1	547.5	554.4	554.4	551.7	547.5
45°	462.7	469.7	462.7	465.5	465.5	471.1	471.1	471.1	473.8	469.7	462.7
47.5°	393.2	400.2	393.2	396.0	394.6	398.8	397.4	398.8	394.6	391.9	383.5
50°	330.7	333.5	330.7	329.3	330.7	333.5	332.1	332.1	326.5	322.4	312.6
52.5°	269.6	273.7	269.6	269.6	269.6	272.4	272.4	271.0	265.4	259.8	250.1
55°	218.2	220.9	219.5	218.2	218.2	220.9	218.2	218.2	212.6	208.4	198.7
57.5°	173.7	175.1	173.7	173.7	173.7	175.1	175.1	172.3	168.1	164.0	157.0
60°	134.8	136.2	136.2	134.8	134.8	137.6	137.6	136.2	132.0	129.2	122.3
62.5°	107.0	107.0	107.0	107.0	107.0	108.4	108.4	108.4	105.6	102.8	97.3
65°	84.8	86.2	84.8	84.8	86.2	87.5	86.2	87.5	84.8	83.4	79.2
67.5°	65.3	66.7	65.3	66.7	66.7	68.1	66.7	68.1	65.3	63.9	61.1
70°	50.0	50.0	50.0	50.0	50.0	51.4	50.0	51.4	50.0	48.6	45.9
72.5°	37.5	37.5	38.9	38.9	37.5	38.9	37.5	37.5	37.5	36.1	34.7
75°	27.8	27.8	29.2	27.8	27.8	27.8	27.8	27.8	26.4	26.4	25.0
77.5°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	18.1	18.1	16.7
80°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11.1	11.1
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	6.9	6.9
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°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1175.6	1179.7	1179.7	1175.6	1185.3	1176.9	1193.6	1178.3	1182.5	1196.4	1195.0
5°	1171.4	1176.9	1178.3	1175.6	1188.1	1181.1	1197.8	1182.5	1189.5	1203.3	1203.3
7.5°	1165.8	1172.8	1175.6	1178.3	1189.5	1182.5	1202.0	1186.7	1196.4	1213.1	1211.7
10°	1153.3	1163.1	1168.6	1172.8	1183.9	1179.7	1200.6	1188.1	1196.4	1215.9	1214.5
12.5°	1146.4	1157.5	1165.8	1172.8	1185.3	1182.5	1203.3	1192.2	1203.3	1222.8	1222.8
15°	1140.8	1153.3	1163.1	1175.6	1188.1	1185.3	1207.5	1197.8	1208.9	1232.5	1231.1
17.5°	1126.9	1142.2	1151.9	1165.8	1178.3	1176.9	1200.6	1193.6	1206.1	1228.4	1229.7
20°	1103.3	1117.2	1128.3	1145.0	1158.9	1156.1	1181.1	1174.2	1186.7	1210.3	1211.7
22.5°	1072.7	1086.6	1097.7	1115.8	1128.3	1126.9	1151.9	1145.0	1157.5	1179.7	1181.1
25°	1036.6	1049.1	1060.2	1076.9	1090.8	1090.8	1113.0	1106.1	1120.0	1142.2	1142.2
27.5°	992.1	1003.3	1013.0	1032.4	1043.6	1043.6	1064.4	1057.4	1071.3	1090.8	1089.4
30°	937.9	947.7	956.0	972.7	982.4	983.8	1001.9	994.9	1008.8	1025.5	1025.5
32.5°	872.6	882.4	887.9	908.8	915.7	914.3	928.2	921.3	935.2	953.2	949.1
35°	803.2	807.3	811.5	832.3	835.1	829.6	843.5	836.5	846.2	864.3	861.5
37.5°	724.0	725.3	725.3	743.4	744.8	740.6	749.0	740.6	747.6	764.3	762.9
40°	636.4	635.0	633.6	647.5	646.1	637.8	643.4	636.4	646.1	658.6	651.7
42.5°	547.5	543.3	537.8	544.7	539.1	532.2	535.0	523.9	530.8	540.5	532.2
45°	459.9	451.6	440.5	441.9	434.9	426.6	422.4	411.3	409.9	419.6	412.7
47.5°	378.0	361.3	351.6	346.0	334.9	327.9	319.6	307.1	301.5	307.1	300.1
50°	304.3	287.6	275.1	262.6	251.5	243.2	229.3	220.9	212.6	214.0	208.4
52.5°	240.4	229.3	208.4	198.7	187.6	177.9	165.4	155.6	145.9	145.9	140.3
55°	190.4	175.1	161.2	147.3	136.2	127.8	115.3	105.6	95.9	94.5	88.9
57.5°	147.3	136.2	120.9	107.0	100.0	91.7	79.2	68.1	62.5	58.4	54.2
60°	113.9	102.8	90.3	79.2	70.9	65.3	52.8	44.5	38.9	36.1	32.0
62.5°	91.7	82.0	70.9	59.8	54.2	48.6	38.9	32.0	26.4	23.6	20.8
65°	73.6	65.3	57.0	48.6	44.5	38.9	32.0	26.4	22.2	19.5	16.7
67.5°	57.0	51.4	44.5	38.9	34.7	30.6	25.0	20.8	18.1	15.3	13.9
70°	43.1	38.9	34.7	29.2	26.4	23.6	19.5	15.3	13.9	12.5	11.1
72.5°	33.3	29.2	25.0	22.2	19.5	18.1	15.3	12.5	11.1	9.7	8.3
75°	22.2	20.8	18.1	15.3	13.9	12.5	11.1	9.7	8.3	6.9	6.9
77.5°	15.3	13.9	12.5	11.1	9.7	9.7	8.3	6.9	5.6	5.6	4.2
80°	9.7	8.3	8.3	6.9	6.9	6.9	5.6	4.2	4.2	4.2	2.8
82.5°	6.9	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°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1183.9	1196.4	1196.4	1207.5	1208.9	1206.1	1193.6	1193.6	1210.3	1220.0	1203.3
5°	1195.0	1207.5	1207.5	1218.6	1224.2	1220.0	1207.5	1208.9	1225.6	1236.7	1220.0
7.5°	1204.7	1217.2	1220.0	1232.5	1236.7	1232.5	1220.0	1222.8	1240.9	1250.6	1233.9
10°	1208.9	1221.4	1222.8	1236.7	1242.3	1236.7	1227.0	1228.4	1247.8	1254.8	1239.5
12.5°	1218.6	1231.1	1231.1	1246.4	1252.0	1247.8	1235.3	1238.1	1257.5	1264.5	1249.2
15°	1228.4	1240.9	1240.9	1257.5	1264.5	1258.9	1249.2	1250.6	1270.0	1277.0	1264.5
17.5°	1228.4	1239.5	1239.5	1257.5	1264.5	1260.3	1249.2	1250.6	1271.4	1277.0	1264.5
20°	1210.3	1222.8	1220.0	1238.1	1245.0	1240.9	1231.1	1231.1	1252.0	1257.5	1245.0
22.5°	1181.1	1192.2	1189.5	1206.1	1214.5	1208.9	1200.6	1199.2	1220.0	1225.6	1213.1
25°	1140.8	1151.9	1149.2	1165.8	1174.2	1167.2	1157.5	1158.9	1175.6	1183.9	1172.8
27.5°	1093.6	1100.5	1096.4	1113.0	1121.4	1114.4	1104.7	1106.1	1122.8	1128.3	1120.0
30°	1029.7	1035.2	1031.0	1044.9	1050.5	1046.3	1038.0	1038.0	1053.3	1060.2	1051.9
32.5°	953.2	957.4	953.2	964.3	975.5	967.1	958.8	958.8	975.5	981.0	971.3
35°	864.3	868.5	865.7	876.8	885.1	874.0	867.1	864.3	886.5	883.8	878.2
37.5°	765.6	768.4	760.1	779.5	783.7	771.2	765.6	762.9	782.3	780.9	775.4
40°	654.5	657.3	651.7	665.6	667.0	657.3	653.1	648.9	668.4	667.0	662.8
42.5°	536.4	537.8	530.8	541.9	544.7	535.0	533.6	528.0	546.1	543.3	541.9
45°	414.1	414.1	408.5	416.9	419.6	411.3	408.5	407.1	419.6	419.6	416.9
47.5°	300.1	296.0	289.0	301.5	302.9	297.4	296.0	291.8	304.3	304.3	301.5
50°	205.7	204.3	202.9	205.7	207.0	200.1	204.3	200.1	207.0	207.0	207.0
52.5°	137.6	136.2	133.4	136.2	136.2	132.0	132.0	130.6	136.2	136.2	133.4
55°	86.2	84.8	83.4	84.8	84.8	80.6	83.4	80.6	83.4	83.4	82.0
57.5°	52.8	50.0	50.0	48.6	48.6	45.9	47.2	47.2	47.2	47.2	47.2
60°	30.6	29.2	27.8	27.8	27.8	26.4	26.4	26.4	26.4	26.4	26.4
62.5°	19.5	19.5	18.1	18.1	18.1	18.1	18.1	16.7	18.1	18.1	18.1
65°	16.7	15.3	15.3	15.3	15.3	13.9	13.9	13.9	13.9	13.9	13.9
67.5°	13.9	12.5	12.5	12.5	12.5	11.1	11.1	11.1	11.1	11.1	11.1
70°	11.1	9.7	9.7	9.7	9.7	9.7	8.3	9.7	9.7	8.3	8.3
72.5°	8.3	8.3	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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: P212798

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1222.8	1208.9	1202.0	1215.9	1221.4	1214.5	1208.9	1199.2	1208.9	1214.5	1221.4
5°	1239.5	1227.0	1221.4	1231.1	1239.5	1232.5	1228.4	1218.6	1228.4	1232.5	1239.5
7.5°	1254.8	1242.3	1235.3	1245.0	1254.8	1245.0	1240.9	1232.5	1240.9	1245.0	1254.8
10°	1260.3	1246.4	1240.9	1249.2	1258.9	1249.2	1243.6	1238.1	1243.6	1249.2	1258.9
12.5°	1270.0	1256.2	1249.2	1256.2	1265.9	1256.2	1250.6	1246.4	1250.6	1256.2	1265.9
15°	1283.9	1271.4	1263.1	1270.0	1282.6	1271.4	1264.5	1263.1	1264.5	1271.4	1282.6
17.5°	1283.9	1274.2	1265.9	1271.4	1283.9	1275.6	1265.9	1268.7	1265.9	1275.6	1283.9
20°	1265.9	1256.2	1249.2	1249.2	1267.3	1256.2	1247.8	1252.0	1247.8	1256.2	1267.3
22.5°	1233.9	1225.6	1218.6	1217.2	1235.3	1225.6	1214.5	1222.8	1214.5	1225.6	1235.3
25°	1192.2	1183.9	1178.3	1175.6	1193.6	1182.5	1172.8	1181.1	1172.8	1182.5	1193.6
27.5°	1138.0	1131.1	1125.5	1121.4	1138.0	1128.3	1118.6	1126.9	1118.6	1128.3	1138.0
30°	1068.6	1064.4	1058.8	1053.3	1070.0	1060.2	1050.5	1061.6	1050.5	1060.2	1070.0
32.5°	988.0	985.2	978.2	972.7	989.4	978.2	971.3	979.6	971.3	978.2	989.4
35°	894.9	890.7	886.5	876.8	894.9	885.1	885.1	887.9	885.1	885.1	894.9
37.5°	790.7	787.9	782.3	774.0	789.3	782.3	779.5	787.9	779.5	782.3	789.3
40°	673.9	672.5	668.4	658.6	675.3	668.4	664.2	675.3	664.2	668.4	675.3
42.5°	551.7	548.9	544.7	543.3	551.7	546.1	550.3	550.3	550.3	546.1	551.7
45°	425.2	422.4	419.6	414.1	423.8	421.0	419.6	422.4	419.6	421.0	423.8
47.5°	308.5	305.7	302.9	298.8	308.5	304.3	304.3	307.1	304.3	304.3	308.5
50°	207.0	208.4	207.0	204.3	207.0	205.7	207.0	209.8	207.0	205.7	207.0
52.5°	137.6	137.6	134.8	133.4	136.2	134.8	139.0	136.2	139.0	134.8	136.2
55°	83.4	84.8	83.4	82.0	83.4	82.0	86.2	84.8	86.2	82.0	83.4
57.5°	47.2	47.2	48.6	47.2	50.0	48.6	48.6	48.6	48.6	48.6	50.0
60°	26.4	26.4	26.4	26.4	26.4	26.4	27.8	26.4	27.8	26.4	26.4
62.5°	18.1	18.1	18.1	16.7	18.1	16.7	18.1	18.1	18.1	16.7	18.1
65°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
67.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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: P212798

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1215.9	1202.0	1208.9	1222.8	1203.3	1220.0	1210.3	1193.6	1193.6	1206.1	1208.9
5°	1231.1	1221.4	1227.0	1239.5	1220.0	1236.7	1225.6	1208.9	1207.5	1220.0	1224.2
7.5°	1245.0	1235.3	1242.3	1254.8	1233.9	1250.6	1240.9	1222.8	1220.0	1232.5	1236.7
10°	1249.2	1240.9	1246.4	1260.3	1239.5	1254.8	1247.8	1228.4	1227.0	1236.7	1242.3
12.5°	1256.2	1249.2	1256.2	1270.0	1249.2	1264.5	1257.5	1238.1	1235.3	1247.8	1252.0
15°	1270.0	1263.1	1271.4	1283.9	1264.5	1277.0	1270.0	1250.6	1249.2	1258.9	1264.5
17.5°	1271.4	1265.9	1274.2	1283.9	1264.5	1277.0	1271.4	1250.6	1249.2	1260.3	1264.5
20°	1249.2	1249.2	1256.2	1265.9	1245.0	1257.5	1252.0	1231.1	1231.1	1240.9	1245.0
22.5°	1217.2	1218.6	1225.6	1233.9	1213.1	1225.6	1220.0	1199.2	1200.6	1208.9	1214.5
25°	1175.6	1178.3	1183.9	1192.2	1172.8	1183.9	1175.6	1158.9	1157.5	1167.2	1174.2
27.5°	1121.4	1125.5	1131.1	1138.0	1120.0	1128.3	1122.8	1106.1	1104.7	1114.4	1121.4
30°	1053.3	1058.8	1064.4	1068.6	1051.9	1060.2	1053.3	1038.0	1038.0	1046.3	1050.5
32.5°	972.7	978.2	985.2	988.0	971.3	981.0	975.5	958.8	958.8	967.1	975.5
35°	876.8	886.5	890.7	894.9	878.2	883.8	886.5	864.3	867.1	874.0	885.1
37.5°	774.0	782.3	787.9	790.7	775.4	780.9	782.3	762.9	765.6	771.2	783.7
40°	658.6	668.4	672.5	673.9	662.8	667.0	668.4	648.9	653.1	657.3	667.0
42.5°	543.3	544.7	548.9	551.7	541.9	543.3	546.1	528.0	533.6	535.0	544.7
45°	414.1	419.6	422.4	425.2	416.9	419.6	419.6	407.1	408.5	411.3	419.6
47.5°	298.8	302.9	305.7	308.5	301.5	304.3	304.3	291.8	296.0	297.4	302.9
50°	204.3	207.0	208.4	207.0	207.0	207.0	207.0	200.1	204.3	200.1	207.0
52.5°	133.4	134.8	137.6	137.6	133.4	136.2	136.2	130.6	132.0	132.0	136.2
55°	82.0	83.4	84.8	83.4	82.0	83.4	83.4	80.6	83.4	80.6	84.8
57.5°	47.2	48.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	45.9	48.6
60°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	27.8
62.5°	16.7	18.1	18.1	18.1	18.1	18.1	18.1	16.7	18.1	18.1	18.1
65°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	15.3
67.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	12.5
70°	8.3	8.3	8.3	8.3	8.3	8.3	9.7	9.7	8.3	9.7	9.7
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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: P212798

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1207.5	1196.4	1196.4	1183.9	1195.0	1196.4	1182.5	1178.3	1193.6	1176.9	1185.3
5°	1218.6	1207.5	1207.5	1195.0	1203.3	1203.3	1189.5	1182.5	1197.8	1181.1	1188.1
7.5°	1232.5	1220.0	1217.2	1204.7	1211.7	1213.1	1196.4	1186.7	1202.0	1182.5	1189.5
10°	1236.7	1222.8	1221.4	1208.9	1214.5	1215.9	1196.4	1188.1	1200.6	1179.7	1183.9
12.5°	1246.4	1231.1	1231.1	1218.6	1222.8	1222.8	1203.3	1192.2	1203.3	1182.5	1185.3
15°	1257.5	1240.9	1240.9	1228.4	1231.1	1232.5	1208.9	1197.8	1207.5	1185.3	1188.1
17.5°	1257.5	1239.5	1239.5	1228.4	1229.7	1228.4	1206.1	1193.6	1200.6	1176.9	1178.3
20°	1238.1	1220.0	1222.8	1210.3	1211.7	1210.3	1186.7	1174.2	1181.1	1156.1	1158.9
22.5°	1206.1	1189.5	1192.2	1181.1	1181.1	1179.7	1157.5	1145.0	1151.9	1126.9	1128.3
25°	1165.8	1149.2	1151.9	1140.8	1142.2	1142.2	1120.0	1106.1	1113.0	1090.8	1090.8
27.5°	1113.0	1096.4	1100.5	1093.6	1089.4	1090.8	1071.3	1057.4	1064.4	1043.6	1043.6
30°	1044.9	1031.0	1035.2	1029.7	1025.5	1025.5	1008.8	994.9	1001.9	983.8	982.4
32.5°	964.3	953.2	957.4	953.2	949.1	953.2	935.2	921.3	928.2	914.3	915.7
35°	876.8	865.7	868.5	864.3	861.5	864.3	846.2	836.5	843.5	829.6	835.1
37.5°	779.5	760.1	768.4	765.6	762.9	764.3	747.6	740.6	749.0	740.6	744.8
40°	665.6	651.7	657.3	654.5	651.7	658.6	646.1	636.4	643.4	637.8	646.1
42.5°	541.9	530.8	537.8	536.4	532.2	540.5	530.8	523.9	535.0	532.2	539.1
45°	416.9	408.5	414.1	414.1	412.7	419.6	409.9	411.3	422.4	426.6	434.9
47.5°	301.5	289.0	296.0	300.1	300.1	307.1	301.5	307.1	319.6	327.9	334.9
50°	205.7	202.9	204.3	205.7	208.4	214.0	212.6	220.9	229.3	243.2	251.5
52.5°	136.2	133.4	136.2	137.6	140.3	145.9	145.9	155.6	165.4	177.9	187.6
55°	84.8	83.4	84.8	86.2	88.9	94.5	95.9	105.6	115.3	127.8	136.2
57.5°	48.6	50.0	50.0	52.8	54.2	58.4	62.5	68.1	79.2	91.7	100.0
60°	27.8	27.8	29.2	30.6	32.0	36.1	38.9	44.5	52.8	65.3	70.9
62.5°	18.1	18.1	19.5	19.5	20.8	23.6	26.4	32.0	38.9	48.6	54.2
65°	15.3	15.3	15.3	16.7	16.7	19.5	22.2	26.4	32.0	38.9	44.5
67.5°	12.5	12.5	12.5	13.9	13.9	15.3	18.1	20.8	25.0	30.6	34.7
70°	9.7	9.7	9.7	11.1	11.1	12.5	13.9	15.3	19.5	23.6	26.4
72.5°	6.9	6.9	8.3	8.3	8.3	9.7	11.1	12.5	15.3	18.1	19.5
75°	5.6	5.6	5.6	5.6	6.9	6.9	8.3	9.7	11.1	12.5	13.9
77.5°	2.8	2.8	4.2	4.2	4.2	5.6	5.6	6.9	8.3	9.7	9.7
80°	2.8	2.8	2.8	2.8	2.8	4.2	4.2	4.2	5.6	6.9	6.9
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: P212798

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1175.6	1179.7	1179.7	1175.6	1164.4	1174.2	1183.9	1174.2	1186.7	1164.4	1164.4
5°	1175.6	1178.3	1176.9	1171.4	1160.3	1168.6	1175.6	1165.8	1175.6	1154.7	1153.3
7.5°	1178.3	1175.6	1172.8	1165.8	1151.9	1157.5	1164.4	1153.3	1163.1	1140.8	1138.0
10°	1172.8	1168.6	1163.1	1153.3	1138.0	1142.2	1146.4	1136.7	1143.6	1121.4	1120.0
12.5°	1172.8	1165.8	1157.5	1146.4	1129.7	1132.5	1136.7	1124.1	1129.7	1108.9	1106.1
15°	1175.6	1163.1	1153.3	1140.8	1122.8	1124.1	1126.9	1113.0	1118.6	1096.4	1095.0
17.5°	1165.8	1151.9	1142.2	1126.9	1107.5	1108.9	1108.9	1095.0	1099.1	1076.9	1075.5
20°	1145.0	1128.3	1117.2	1103.3	1082.5	1082.5	1082.5	1068.6	1071.3	1051.9	1049.1
22.5°	1115.8	1097.7	1086.6	1072.7	1053.3	1051.9	1050.5	1039.4	1039.4	1021.3	1017.1
25°	1076.9	1060.2	1049.1	1036.6	1017.1	1014.4	1014.4	1004.6	1003.3	986.6	983.8
27.5°	1032.4	1013.0	1003.3	992.1	974.1	971.3	969.9	964.3	961.6	943.5	942.1
30°	972.7	956.0	947.7	937.9	921.3	918.5	917.1	911.5	910.2	892.1	892.1
32.5°	908.8	887.9	882.4	872.6	860.1	858.7	860.1	853.2	847.6	835.1	832.3
35°	832.3	811.5	807.3	803.2	793.4	790.7	789.3	787.9	780.9	772.6	768.4
37.5°	743.4	725.3	725.3	724.0	717.0	717.0	717.0	714.2	707.3	704.5	696.2
40°	647.5	633.6	635.0	636.4	633.6	635.0	636.4	633.6	628.1	625.3	618.3
42.5°	544.7	537.8	543.3	547.5	547.5	551.7	554.4	554.4	547.5	546.1	540.5
45°	441.9	440.5	451.6	459.9	462.7	469.7	473.8	471.1	471.1	471.1	465.5
47.5°	346.0	351.6	361.3	378.0	383.5	391.9	394.6	398.8	397.4	398.8	394.6
50°	262.6	275.1	287.6	304.3	312.6	322.4	326.5	332.1	332.1	333.5	330.7
52.5°	198.7	208.4	229.3	240.4	250.1	259.8	265.4	271.0	272.4	272.4	269.6
55°	147.3	161.2	175.1	190.4	198.7	208.4	212.6	218.2	218.2	220.9	218.2
57.5°	107.0	120.9	136.2	147.3	157.0	164.0	168.1	172.3	175.1	175.1	173.7
60°	79.2	90.3	102.8	113.9	122.3	129.2	132.0	136.2	137.6	137.6	134.8
62.5°	59.8	70.9	82.0	91.7	97.3	102.8	105.6	108.4	108.4	108.4	107.0
65°	48.6	57.0	65.3	73.6	79.2	83.4	84.8	87.5	86.2	87.5	86.2
67.5°	38.9	44.5	51.4	57.0	61.1	63.9	65.3	68.1	66.7	68.1	66.7
70°	29.2	34.7	38.9	43.1	45.9	48.6	50.0	51.4	50.0	51.4	50.0
72.5°	22.2	25.0	29.2	33.3	34.7	36.1	37.5	37.5	37.5	38.9	37.5
75°	15.3	18.1	20.8	22.2	25.0	26.4	26.4	27.8	27.8	27.8	27.8
77.5°	11.1	12.5	13.9	15.3	16.7	18.1	18.1	19.5	19.5	19.5	19.5
80°	6.9	8.3	8.3	9.7	11.1	11.1	12.5	12.5	12.5	12.5	12.5
82.5°	4.2	5.6	5.6	6.9	6.9	6.9	8.3	8.3	8.3	8.3	8.3
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: P212798

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1193.6	1193.6	1193.6	1193.6
2.5°	1175.6	1168.6	1179.7	1163.1
5°	1163.1	1156.1	1170.0	1149.2
7.5°	1147.8	1140.8	1153.3	1132.5
10°	1128.3	1121.4	1132.5	1110.2
12.5°	1111.6	1104.7	1117.2	1096.4
15°	1099.1	1092.2	1103.3	1083.8
17.5°	1079.7	1071.3	1083.8	1063.0
20°	1051.9	1046.3	1056.1	1035.2
22.5°	1019.9	1014.4	1025.5	1004.6
25°	986.6	979.6	990.7	969.9
27.5°	943.5	937.9	949.1	928.2
30°	892.1	886.5	897.6	878.2
32.5°	833.7	828.2	836.5	819.8
35°	767.0	762.9	771.2	753.1
37.5°	694.8	690.6	698.9	680.9
40°	617.0	612.8	619.7	611.4
42.5°	540.5	536.4	543.3	536.4
45°	465.5	462.7	469.7	462.7
47.5°	396.0	393.2	400.2	393.2
50°	329.3	330.7	333.5	330.7
52.5°	269.6	269.6	273.7	269.6
55°	218.2	219.5	220.9	218.2
57.5°	173.7	173.7	175.1	173.7
60°	134.8	136.2	136.2	134.8
62.5°	107.0	107.0	107.0	107.0
65°	84.8	84.8	86.2	84.8
67.5°	66.7	65.3	66.7	65.3
70°	50.0	50.0	50.0	50.0
72.5°	38.9	38.9	37.5	37.5
75°	27.8	29.2	27.8	27.8
77.5°	19.5	19.5	19.5	19.5
80°	12.5	12.5	12.5	12.5
82.5°	8.3	8.3	8.3	8.3
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)