

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: P212800

Luminaire Tested: **LD6B20D010 EU6B10208050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212800
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 EU6B10208050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2016.3 lumens
Efficiency: N/A
Efficacy: 96.9 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

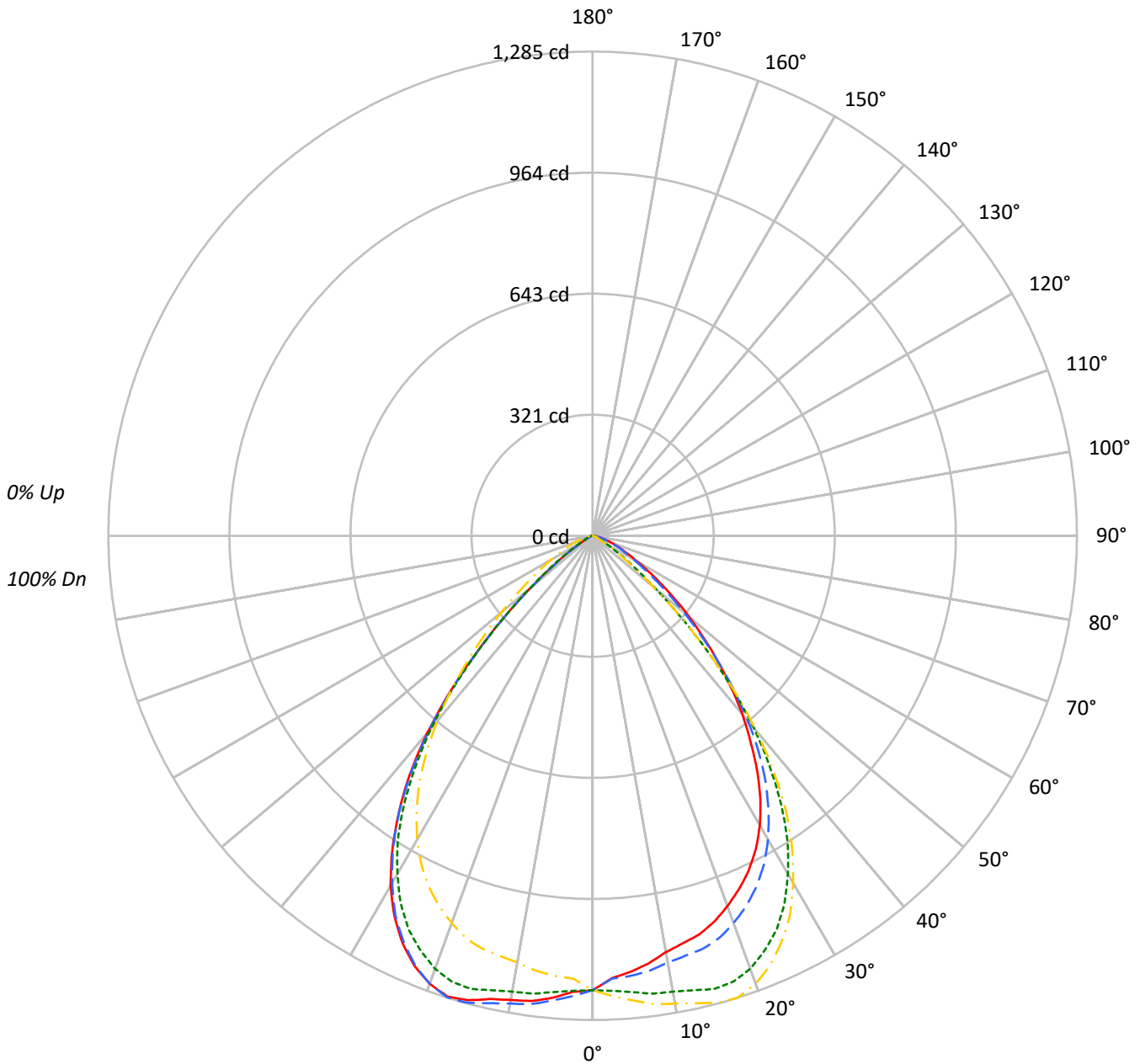
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66113	66113	66113	66113
5°	63895	66905	67758	66905
10°	62440	68380	69632	68380
15°	62151	70676	72429	70676
20°	61016	71336	73792	71336
25°	59272	69802	72180	69802
30°	56167	65586	67897	65586
35°	50922	58444	60037	58444
40°	44204	47625	48827	47625
45°	36244	32872	33089	32872
50°	28494	18439	18080	18439
55°	21065	9128	8181	9128
60°	14933	4002	2927	4002
65°	11104	2555	1816	2555
70°	8094	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°	341.9	17.0
20°-30°	510.3	25.3
30°-40°	524.3	26.0
40°-50°	339.5	16.8
50°-60°	126.2	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°	967.7	48.0
0°-40°	1491.9	74.0
0°-60°	1957.7	97.1
0°-90°	2016.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2016.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1206	1206	1206	1206	1206	
5°	1161	1216	1231	1216	1161	110
15°	1095	1245	1276	1245	1095	308
25°	980	1154	1193	1154	980	449
35°	761	873	897	873	761	472
45°	468	424	427	424	468	361
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°	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1175.1	1191.9	1180.7	1187.7	1176.5	1176.5	1199.0	1186.3	1196.2	1186.3	1176.5
5°	1161.1	1182.1	1168.1	1175.1	1165.3	1166.7	1187.7	1177.9	1187.7	1180.7	1172.3
7.5°	1144.2	1165.3	1152.6	1159.7	1149.8	1152.6	1175.1	1165.3	1176.5	1169.5	1163.9
10°	1121.7	1144.2	1133.0	1140.0	1131.6	1133.0	1155.4	1148.4	1158.2	1154.0	1149.8
12.5°	1107.7	1128.8	1116.1	1123.2	1117.5	1120.3	1141.4	1135.8	1148.4	1144.2	1141.4
15°	1095.1	1114.7	1103.5	1110.5	1106.3	1107.7	1130.2	1124.6	1138.6	1135.8	1134.4
17.5°	1074.0	1095.1	1082.4	1090.9	1086.6	1088.1	1110.5	1106.3	1120.3	1120.3	1118.9
20°	1045.9	1067.0	1057.2	1062.8	1060.0	1062.8	1082.4	1079.6	1093.7	1093.7	1093.7
22.5°	1015.0	1036.1	1024.9	1030.5	1027.7	1031.9	1050.1	1050.1	1061.4	1062.8	1064.2
25°	979.9	1001.0	989.8	996.8	994.0	996.8	1013.6	1015.0	1024.9	1024.9	1027.7
27.5°	937.8	958.9	947.7	953.3	951.9	953.3	971.5	974.3	979.9	981.4	984.2
30°	887.3	906.9	895.7	901.3	901.3	901.3	919.6	921.0	926.6	928.0	930.8
32.5°	828.3	845.2	836.7	842.4	841.0	843.8	856.4	862.0	869.0	867.6	869.0
35°	760.9	779.2	770.8	775.0	776.4	780.6	789.0	796.0	797.4	798.8	801.6
37.5°	687.9	706.2	697.8	702.0	703.4	711.8	714.6	721.6	724.4	724.4	724.4
40°	617.7	626.2	619.1	623.3	624.8	631.8	634.6	640.2	643.0	641.6	640.2
42.5°	541.9	548.9	541.9	546.1	546.1	551.7	553.2	560.2	560.2	557.4	553.2
45°	467.5	474.5	467.5	470.3	470.3	475.9	475.9	475.9	478.7	474.5	467.5
47.5°	397.3	404.3	397.3	400.1	398.7	402.9	401.5	402.9	398.7	395.9	387.5
50°	334.1	336.9	334.1	332.7	334.1	336.9	335.5	335.5	329.9	325.7	315.9
52.5°	272.4	276.6	272.4	272.4	272.4	275.2	275.2	273.8	268.2	262.5	252.7
55°	220.4	223.2	221.8	220.4	220.4	223.2	220.4	220.4	214.8	210.6	200.8
57.5°	175.5	176.9	175.5	175.5	175.5	176.9	176.9	174.1	169.9	165.7	158.6
60°	136.2	137.6	137.6	136.2	136.2	139.0	139.0	137.6	133.4	130.6	123.5
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°	85.6	87.0	85.6	85.6	87.0	88.4	87.0	88.4	85.6	84.2	80.0
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°	50.5	50.5	50.5	50.5	50.5	51.9	50.5	51.9	50.5	49.1	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	16.8
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°	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1187.7	1191.9	1191.9	1187.7	1197.6	1189.1	1206.0	1190.5	1194.8	1208.8	1207.4
5°	1183.5	1189.1	1190.5	1187.7	1200.4	1193.3	1210.2	1194.8	1201.8	1215.8	1215.8
7.5°	1177.9	1184.9	1187.7	1190.5	1201.8	1194.8	1214.4	1199.0	1208.8	1225.6	1224.2
10°	1165.3	1175.1	1180.7	1184.9	1196.2	1191.9	1213.0	1200.4	1208.8	1228.4	1227.0
12.5°	1158.2	1169.5	1177.9	1184.9	1197.6	1194.8	1215.8	1204.6	1215.8	1235.5	1235.5
15°	1152.6	1165.3	1175.1	1187.7	1200.4	1197.6	1220.0	1210.2	1221.4	1245.3	1243.9
17.5°	1138.6	1154.0	1163.9	1177.9	1190.5	1189.1	1213.0	1206.0	1218.6	1241.1	1242.5
20°	1114.7	1128.8	1140.0	1156.8	1170.9	1168.1	1193.3	1186.3	1199.0	1222.8	1224.2
22.5°	1083.8	1097.9	1109.1	1127.4	1140.0	1138.6	1163.9	1156.8	1169.5	1191.9	1193.3
25°	1047.3	1060.0	1071.2	1088.1	1102.1	1102.1	1124.6	1117.5	1131.6	1154.0	1154.0
27.5°	1002.4	1013.6	1023.5	1043.1	1054.4	1054.4	1075.4	1068.4	1082.4	1102.1	1100.7
30°	947.7	957.5	965.9	982.8	992.6	994.0	1012.2	1005.2	1019.3	1036.1	1036.1
32.5°	881.7	891.5	897.1	918.2	925.2	923.8	937.8	930.8	944.9	963.1	958.9
35°	811.5	815.7	819.9	841.0	843.8	838.2	852.2	845.2	855.0	873.3	870.4
37.5°	731.5	732.9	732.9	751.1	752.5	748.3	756.7	748.3	755.3	772.2	770.8
40°	643.0	641.6	640.2	654.2	652.8	644.4	650.0	643.0	652.8	665.5	658.4
42.5°	553.2	548.9	543.3	550.3	544.7	537.7	540.5	529.3	536.3	546.1	537.7
45°	464.7	456.3	445.0	446.5	439.4	431.0	426.8	415.6	414.2	424.0	417.0
47.5°	381.9	365.0	355.2	349.6	338.3	331.3	322.9	310.3	304.7	310.3	303.3
50°	307.5	290.6	278.0	265.3	254.1	245.7	231.6	223.2	214.8	216.2	210.6
52.5°	242.9	231.6	210.6	200.8	189.5	179.7	167.1	157.2	147.4	147.4	141.8
55°	192.3	176.9	162.9	148.8	137.6	129.2	116.5	106.7	96.9	95.5	89.9
57.5°	148.8	137.6	122.1	108.1	101.1	92.7	80.0	68.8	63.2	59.0	54.8
60°	115.1	103.9	91.3	80.0	71.6	66.0	53.3	44.9	39.3	36.5	32.3
62.5°	92.7	82.8	71.6	60.4	54.8	49.1	39.3	32.3	26.7	23.9	21.1
65°	74.4	66.0	57.6	49.1	44.9	39.3	32.3	26.7	22.5	19.7	16.8
67.5°	57.6	51.9	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°	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1196.2	1208.8	1208.8	1220.0	1221.4	1218.6	1206.0	1206.0	1222.8	1232.7	1215.8
5°	1207.4	1220.0	1220.0	1231.3	1236.9	1232.7	1220.0	1221.4	1238.3	1249.5	1232.7
7.5°	1217.2	1229.9	1232.7	1245.3	1249.5	1245.3	1232.7	1235.5	1253.7	1263.5	1246.7
10°	1221.4	1234.1	1235.5	1249.5	1255.1	1249.5	1239.7	1241.1	1260.7	1267.8	1252.3
12.5°	1231.3	1243.9	1243.9	1259.3	1264.9	1260.7	1248.1	1250.9	1270.6	1277.6	1262.1
15°	1241.1	1253.7	1253.7	1270.6	1277.6	1272.0	1262.1	1263.5	1283.2	1290.2	1277.6
17.5°	1241.1	1252.3	1252.3	1270.6	1277.6	1273.4	1262.1	1263.5	1284.6	1290.2	1277.6
20°	1222.8	1235.5	1232.7	1250.9	1257.9	1253.7	1243.9	1243.9	1264.9	1270.6	1257.9
22.5°	1193.3	1204.6	1201.8	1218.6	1227.0	1221.4	1213.0	1211.6	1232.7	1238.3	1225.6
25°	1152.6	1163.9	1161.1	1177.9	1186.3	1179.3	1169.5	1170.9	1187.7	1196.2	1184.9
27.5°	1104.9	1111.9	1107.7	1124.6	1133.0	1126.0	1116.1	1117.5	1134.4	1140.0	1131.6
30°	1040.3	1045.9	1041.7	1055.8	1061.4	1057.2	1048.7	1048.7	1064.2	1071.2	1062.8
32.5°	963.1	967.3	963.1	974.3	985.6	977.1	968.7	968.7	985.6	991.2	981.4
35°	873.3	877.5	874.7	885.9	894.3	883.1	876.1	873.3	895.7	892.9	887.3
37.5°	773.6	776.4	768.0	787.6	791.8	779.2	773.6	770.8	790.4	789.0	783.4
40°	661.3	664.1	658.4	672.5	673.9	664.1	659.9	655.6	675.3	673.9	669.7
42.5°	541.9	543.3	536.3	547.5	550.3	540.5	539.1	533.5	551.7	548.9	547.5
45°	418.4	418.4	412.8	421.2	424.0	415.6	412.8	411.4	424.0	424.0	421.2
47.5°	303.3	299.0	292.0	304.7	306.1	300.4	299.0	294.8	307.5	307.5	304.7
50°	207.8	206.4	205.0	207.8	209.2	202.2	206.4	202.2	209.2	209.2	209.2
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°	87.0	85.6	84.2	85.6	85.6	81.4	84.2	81.4	84.2	84.2	82.8
57.5°	53.3	50.5	50.5	49.1	49.1	46.3	47.7	47.7	47.7	47.7	47.7
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	16.8	18.3	18.3	18.3
65°	16.8	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: P212800

CATALOG NUMBER: LD6B20D010 EU6B10208050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1235.5	1221.4	1214.4	1228.4	1234.1	1227.0	1221.4	1211.6	1221.4	1227.0	1234.1
5°	1252.3	1239.7	1234.1	1243.9	1252.3	1245.3	1241.1	1231.3	1241.1	1245.3	1252.3
7.5°	1267.8	1255.1	1248.1	1257.9	1267.8	1257.9	1253.7	1245.3	1253.7	1257.9	1267.8
10°	1273.4	1259.3	1253.7	1262.1	1272.0	1262.1	1256.5	1250.9	1256.5	1262.1	1272.0
12.5°	1283.2	1269.2	1262.1	1269.2	1279.0	1269.2	1263.5	1259.3	1263.5	1269.2	1279.0
15°	1297.2	1284.6	1276.2	1283.2	1295.8	1284.6	1277.6	1276.2	1277.6	1284.6	1295.8
17.5°	1297.2	1287.4	1279.0	1284.6	1297.2	1288.8	1279.0	1281.8	1279.0	1288.8	1297.2
20°	1279.0	1269.2	1262.1	1262.1	1280.4	1269.2	1260.7	1264.9	1260.7	1269.2	1280.4
22.5°	1246.7	1238.3	1231.3	1229.9	1248.1	1238.3	1227.0	1235.5	1227.0	1238.3	1248.1
25°	1204.6	1196.2	1190.5	1187.7	1206.0	1194.8	1184.9	1193.3	1184.9	1194.8	1206.0
27.5°	1149.8	1142.8	1137.2	1133.0	1149.8	1140.0	1130.2	1138.6	1130.2	1140.0	1149.8
30°	1079.6	1075.4	1069.8	1064.2	1081.0	1071.2	1061.4	1072.6	1061.4	1071.2	1081.0
32.5°	998.2	995.4	988.4	982.8	999.6	988.4	981.4	989.8	981.4	988.4	999.6
35°	904.1	899.9	895.7	885.9	904.1	894.3	894.3	897.1	894.3	894.3	904.1
37.5°	798.8	796.0	790.4	782.0	797.4	790.4	787.6	796.0	787.6	790.4	797.4
40°	680.9	679.5	675.3	665.5	682.3	675.3	671.1	682.3	671.1	675.3	682.3
42.5°	557.4	554.6	550.3	548.9	557.4	551.7	556.0	556.0	556.0	551.7	557.4
45°	429.6	426.8	424.0	418.4	428.2	425.4	424.0	426.8	424.0	425.4	428.2
47.5°	311.7	308.9	306.1	301.8	311.7	307.5	307.5	310.3	307.5	307.5	311.7
50°	209.2	210.6	209.2	206.4	209.2	207.8	209.2	212.0	209.2	207.8	209.2
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°	84.2	85.6	84.2	82.8	84.2	82.8	87.0	85.6	87.0	82.8	84.2
57.5°	47.7	47.7	49.1	47.7	50.5	49.1	49.1	49.1	49.1	49.1	50.5
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	16.8	18.3	16.8	18.3	18.3	18.3	16.8	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: P212800

CATALOG NUMBER: LD6B20D010 EU6B10208050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1228.4	1214.4	1221.4	1235.5	1215.8	1232.7	1222.8	1206.0	1206.0	1218.6	1221.4
5°	1243.9	1234.1	1239.7	1252.3	1232.7	1249.5	1238.3	1221.4	1220.0	1232.7	1236.9
7.5°	1257.9	1248.1	1255.1	1267.8	1246.7	1263.5	1253.7	1235.5	1232.7	1245.3	1249.5
10°	1262.1	1253.7	1259.3	1273.4	1252.3	1267.8	1260.7	1241.1	1239.7	1249.5	1255.1
12.5°	1269.2	1262.1	1269.2	1283.2	1262.1	1277.6	1270.6	1250.9	1248.1	1260.7	1264.9
15°	1283.2	1276.2	1284.6	1297.2	1277.6	1290.2	1283.2	1263.5	1262.1	1272.0	1277.6
17.5°	1284.6	1279.0	1287.4	1297.2	1277.6	1290.2	1284.6	1263.5	1262.1	1273.4	1277.6
20°	1262.1	1262.1	1269.2	1279.0	1257.9	1270.6	1264.9	1243.9	1243.9	1253.7	1257.9
22.5°	1229.9	1231.3	1238.3	1246.7	1225.6	1238.3	1232.7	1211.6	1213.0	1221.4	1227.0
25°	1187.7	1190.5	1196.2	1204.6	1184.9	1196.2	1187.7	1170.9	1169.5	1179.3	1186.3
27.5°	1133.0	1137.2	1142.8	1149.8	1131.6	1140.0	1134.4	1117.5	1116.1	1126.0	1133.0
30°	1064.2	1069.8	1075.4	1079.6	1062.8	1071.2	1064.2	1048.7	1048.7	1057.2	1061.4
32.5°	982.8	988.4	995.4	998.2	981.4	991.2	985.6	968.7	968.7	977.1	985.6
35°	885.9	895.7	899.9	904.1	887.3	892.9	895.7	873.3	876.1	883.1	894.3
37.5°	782.0	790.4	796.0	798.8	783.4	789.0	790.4	770.8	773.6	779.2	791.8
40°	665.5	675.3	679.5	680.9	669.7	673.9	675.3	655.6	659.9	664.1	673.9
42.5°	548.9	550.3	554.6	557.4	547.5	548.9	551.7	533.5	539.1	540.5	550.3
45°	418.4	424.0	426.8	429.6	421.2	424.0	424.0	411.4	412.8	415.6	424.0
47.5°	301.8	306.1	308.9	311.7	304.7	307.5	307.5	294.8	299.0	300.4	306.1
50°	206.4	209.2	210.6	209.2	209.2	209.2	209.2	202.2	206.4	202.2	209.2
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°	82.8	84.2	85.6	84.2	82.8	84.2	84.2	81.4	84.2	81.4	85.6
57.5°	47.7	49.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	46.3	49.1
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°	16.8	18.3	18.3	18.3	18.3	18.3	18.3	16.8	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: P212800

CATALOG NUMBER: LD6B20D010 EU6B10208050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1220.0	1208.8	1208.8	1196.2	1207.4	1208.8	1194.8	1190.5	1206.0	1189.1	1197.6
5°	1231.3	1220.0	1220.0	1207.4	1215.8	1215.8	1201.8	1194.8	1210.2	1193.3	1200.4
7.5°	1245.3	1232.7	1229.9	1217.2	1224.2	1225.6	1208.8	1199.0	1214.4	1194.8	1201.8
10°	1249.5	1235.5	1234.1	1221.4	1227.0	1228.4	1208.8	1200.4	1213.0	1191.9	1196.2
12.5°	1259.3	1243.9	1243.9	1231.3	1235.5	1235.5	1215.8	1204.6	1215.8	1194.8	1197.6
15°	1270.6	1253.7	1253.7	1241.1	1243.9	1245.3	1221.4	1210.2	1220.0	1197.6	1200.4
17.5°	1270.6	1252.3	1252.3	1241.1	1242.5	1241.1	1218.6	1206.0	1213.0	1189.1	1190.5
20°	1250.9	1232.7	1235.5	1222.8	1224.2	1222.8	1199.0	1186.3	1193.3	1168.1	1170.9
22.5°	1218.6	1201.8	1204.6	1193.3	1193.3	1191.9	1169.5	1156.8	1163.9	1138.6	1140.0
25°	1177.9	1161.1	1163.9	1152.6	1154.0	1154.0	1131.6	1117.5	1124.6	1102.1	1102.1
27.5°	1124.6	1107.7	1111.9	1104.9	1100.7	1102.1	1082.4	1068.4	1075.4	1054.4	1054.4
30°	1055.8	1041.7	1045.9	1040.3	1036.1	1036.1	1019.3	1005.2	1012.2	994.0	992.6
32.5°	974.3	963.1	967.3	963.1	958.9	963.1	944.9	930.8	937.8	923.8	925.2
35°	885.9	874.7	877.5	873.3	870.4	873.3	855.0	845.2	852.2	838.2	843.8
37.5°	787.6	768.0	776.4	773.6	770.8	772.2	755.3	748.3	756.7	748.3	752.5
40°	672.5	658.4	664.1	661.3	658.4	665.5	652.8	643.0	650.0	644.4	652.8
42.5°	547.5	536.3	543.3	541.9	537.7	546.1	536.3	529.3	540.5	537.7	544.7
45°	421.2	412.8	418.4	418.4	417.0	424.0	414.2	415.6	426.8	431.0	439.4
47.5°	304.7	292.0	299.0	303.3	303.3	310.3	304.7	310.3	322.9	331.3	338.3
50°	207.8	205.0	206.4	207.8	210.6	216.2	214.8	223.2	231.6	245.7	254.1
52.5°	137.6	134.8	137.6	139.0	141.8	147.4	147.4	157.2	167.1	179.7	189.5
55°	85.6	84.2	85.6	87.0	89.9	95.5	96.9	106.7	116.5	129.2	137.6
57.5°	49.1	50.5	50.5	53.3	54.8	59.0	63.2	68.8	80.0	92.7	101.1
60°	28.1	28.1	29.5	30.9	32.3	36.5	39.3	44.9	53.3	66.0	71.6
62.5°	18.3	18.3	19.7	19.7	21.1	23.9	26.7	32.3	39.3	49.1	54.8
65°	15.4	15.4	15.4	16.8	16.8	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: P212800

CATALOG NUMBER: LD6B20D010 EU6B10208050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1187.7	1191.9	1191.9	1187.7	1176.5	1186.3	1196.2	1186.3	1199.0	1176.5	1176.5
5°	1187.7	1190.5	1189.1	1183.5	1172.3	1180.7	1187.7	1177.9	1187.7	1166.7	1165.3
7.5°	1190.5	1187.7	1184.9	1177.9	1163.9	1169.5	1176.5	1165.3	1175.1	1152.6	1149.8
10°	1184.9	1180.7	1175.1	1165.3	1149.8	1154.0	1158.2	1148.4	1155.4	1133.0	1131.6
12.5°	1184.9	1177.9	1169.5	1158.2	1141.4	1144.2	1148.4	1135.8	1141.4	1120.3	1117.5
15°	1187.7	1175.1	1165.3	1152.6	1134.4	1135.8	1138.6	1124.6	1130.2	1107.7	1106.3
17.5°	1177.9	1163.9	1154.0	1138.6	1118.9	1120.3	1120.3	1106.3	1110.5	1088.1	1086.6
20°	1156.8	1140.0	1128.8	1114.7	1093.7	1093.7	1093.7	1079.6	1082.4	1062.8	1060.0
22.5°	1127.4	1109.1	1097.9	1083.8	1064.2	1062.8	1061.4	1050.1	1050.1	1031.9	1027.7
25°	1088.1	1071.2	1060.0	1047.3	1027.7	1024.9	1024.9	1015.0	1013.6	996.8	994.0
27.5°	1043.1	1023.5	1013.6	1002.4	984.2	981.4	979.9	974.3	971.5	953.3	951.9
30°	982.8	965.9	957.5	947.7	930.8	928.0	926.6	921.0	919.6	901.3	901.3
32.5°	918.2	897.1	891.5	881.7	869.0	867.6	869.0	862.0	856.4	843.8	841.0
35°	841.0	819.9	815.7	811.5	801.6	798.8	797.4	796.0	789.0	780.6	776.4
37.5°	751.1	732.9	732.9	731.5	724.4	724.4	724.4	721.6	714.6	711.8	703.4
40°	654.2	640.2	641.6	643.0	640.2	641.6	643.0	640.2	634.6	631.8	624.8
42.5°	550.3	543.3	548.9	553.2	553.2	557.4	560.2	560.2	553.2	551.7	546.1
45°	446.5	445.0	456.3	464.7	467.5	474.5	478.7	475.9	475.9	475.9	470.3
47.5°	349.6	355.2	365.0	381.9	387.5	395.9	398.7	402.9	401.5	402.9	398.7
50°	265.3	278.0	290.6	307.5	315.9	325.7	329.9	335.5	335.5	336.9	334.1
52.5°	200.8	210.6	231.6	242.9	252.7	262.5	268.2	273.8	275.2	275.2	272.4
55°	148.8	162.9	176.9	192.3	200.8	210.6	214.8	220.4	220.4	223.2	220.4
57.5°	108.1	122.1	137.6	148.8	158.6	165.7	169.9	174.1	176.9	176.9	175.5
60°	80.0	91.3	103.9	115.1	123.5	130.6	133.4	137.6	139.0	139.0	136.2
62.5°	60.4	71.6	82.8	92.7	98.3	103.9	106.7	109.5	109.5	109.5	108.1
65°	49.1	57.6	66.0	74.4	80.0	84.2	85.6	88.4	87.0	88.4	87.0
67.5°	39.3	44.9	51.9	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	49.1	50.5	51.9	50.5	51.9	50.5
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	16.8	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: P212800

CATALOG NUMBER: LD6B20D010 EU6B10208050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1206.0	1206.0	1206.0	1206.0
2.5°	1187.7	1180.7	1191.9	1175.1
5°	1175.1	1168.1	1182.1	1161.1
7.5°	1159.7	1152.6	1165.3	1144.2
10°	1140.0	1133.0	1144.2	1121.7
12.5°	1123.2	1116.1	1128.8	1107.7
15°	1110.5	1103.5	1114.7	1095.1
17.5°	1090.9	1082.4	1095.1	1074.0
20°	1062.8	1057.2	1067.0	1045.9
22.5°	1030.5	1024.9	1036.1	1015.0
25°	996.8	989.8	1001.0	979.9
27.5°	953.3	947.7	958.9	937.8
30°	901.3	895.7	906.9	887.3
32.5°	842.4	836.7	845.2	828.3
35°	775.0	770.8	779.2	760.9
37.5°	702.0	697.8	706.2	687.9
40°	623.3	619.1	626.2	617.7
42.5°	546.1	541.9	548.9	541.9
45°	470.3	467.5	474.5	467.5
47.5°	400.1	397.3	404.3	397.3
50°	332.7	334.1	336.9	334.1
52.5°	272.4	272.4	276.6	272.4
55°	220.4	221.8	223.2	220.4
57.5°	175.5	175.5	176.9	175.5
60°	136.2	137.6	137.6	136.2
62.5°	108.1	108.1	108.1	108.1
65°	85.6	85.6	87.0	85.6
67.5°	67.4	66.0	67.4	66.0
70°	50.5	50.5	50.5	50.5
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)