

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: P212796

Luminaire Tested: **LD6B20D010 EU6B10208027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212796
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 EU6B10208027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.2 lumens
Efficiency: N/A
Efficacy: 89.6 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

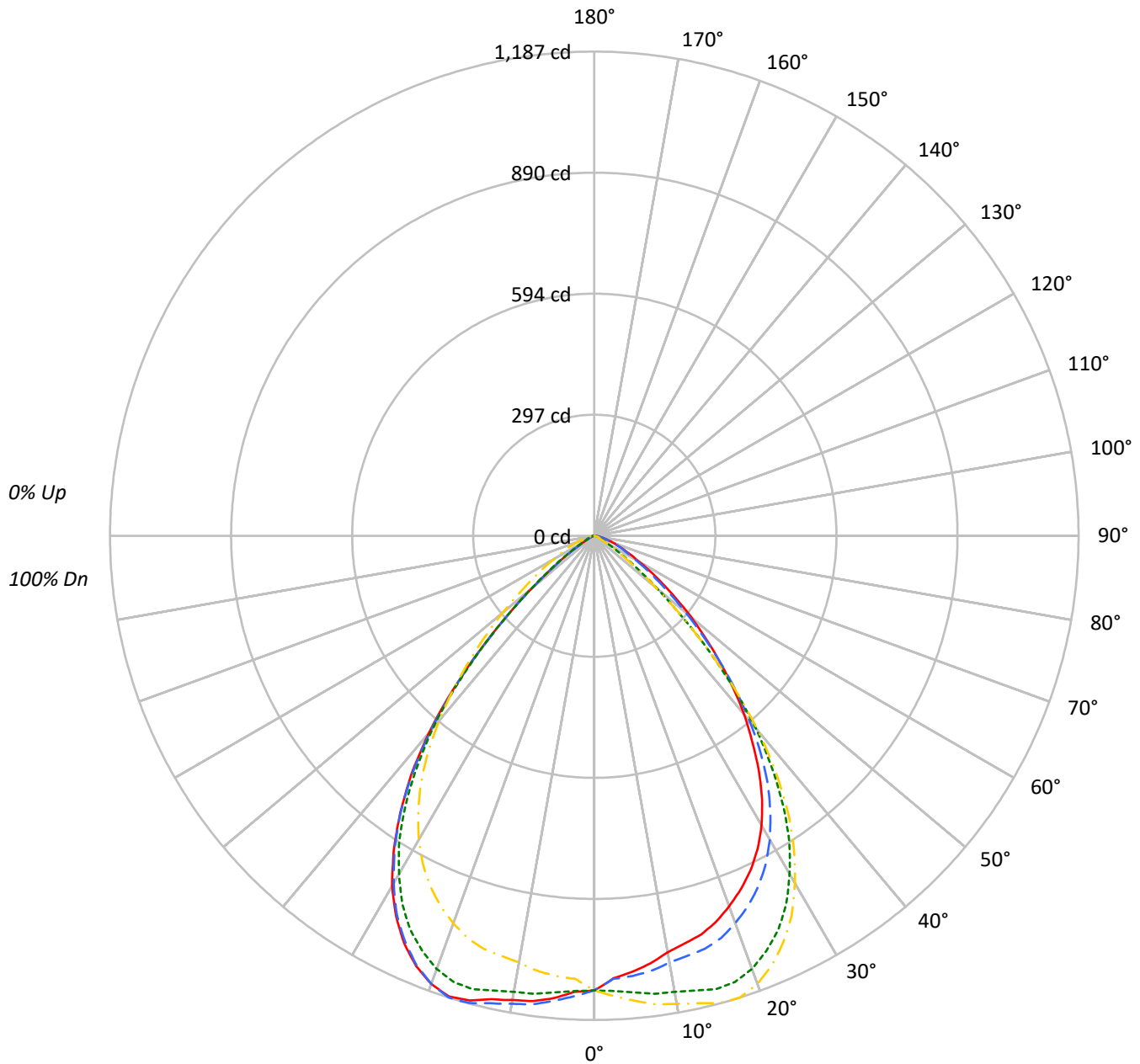
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	61092	61092	61092	61092
5°	59041	61826	62613	61826
10°	57703	63192	64344	63192
15°	57429	65307	66930	65307
20°	56384	65922	68192	65922
25°	54771	64504	66699	64504
30°	51900	60604	62744	60604
35°	47060	54000	55479	54000
40°	40848	44004	45120	44004
45°	33492	30375	30577	30375
50°	26336	17040	16707	17040
55°	19469	8430	7560	8430
60°	13793	3695	2697	3695
65°	10261	2361	1686	2361
70°	7485	1875	1250	1875
75°	5486	1377	826	1377
80°	3694	1231	410	1231
85°	2453	818	818	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	5.7
10°-20°	316.0	17.0
20°-30°	471.5	25.3
30°-40°	484.5	26.0
40°-50°	313.7	16.8
50°-60°	116.6	6.3
60°-70°	38.3	2.1
70°-80°	13.5	0.7
80°-90°	2.4	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°	894.2	48.0
0°-40°	1378.6	74.0
0°-60°	1809.0	97.1
0°-90°	1863.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1863.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1114	1114	1114	1114	1114	
5°	1073	1124	1138	1124	1073	101
15°	1012	1151	1179	1151	1012	285
25°	906	1066	1103	1066	906	415
35°	703	807	829	807	703	437
45°	432	392	394	392	432	334
55°	204	88	79	88	204	186
65°	79	18	13	18	79	80
75°	26	6	4	6	26	29
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°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1085.9	1101.4	1091.1	1097.5	1087.2	1087.2	1107.9	1096.3	1105.3	1096.3	1087.2
5°	1072.9	1092.4	1079.4	1085.9	1076.8	1078.1	1097.5	1088.5	1097.5	1091.1	1083.3
7.5°	1057.3	1076.8	1065.1	1071.6	1062.5	1065.1	1085.9	1076.8	1087.2	1080.7	1075.5
10°	1036.6	1057.3	1047.0	1053.4	1045.7	1047.0	1067.7	1061.2	1070.3	1066.4	1062.5
12.5°	1023.6	1043.1	1031.4	1037.9	1032.7	1035.3	1054.7	1049.5	1061.2	1057.3	1054.7
15°	1011.9	1030.1	1019.7	1026.2	1022.3	1023.6	1044.4	1039.2	1052.1	1049.5	1048.2
17.5°	992.5	1011.9	1000.2	1008.0	1004.1	1005.4	1026.2	1022.3	1035.3	1035.3	1034.0
20°	966.5	986.0	976.9	982.1	979.5	982.1	1000.2	997.7	1010.6	1010.6	1010.6
22.5°	938.0	957.4	947.1	952.2	949.7	953.5	970.4	970.4	980.8	982.1	983.4
25°	905.5	925.0	914.6	921.1	918.5	921.1	936.7	938.0	947.1	947.1	949.7
27.5°	866.6	886.1	875.7	880.9	879.6	880.9	897.8	900.4	905.5	906.8	909.4
30°	819.9	838.1	827.7	832.9	832.9	832.9	849.8	851.1	856.2	857.5	860.1
32.5°	765.4	781.0	773.2	778.4	777.1	779.7	791.4	796.6	803.1	801.8	803.1
35°	703.2	720.0	712.2	716.1	717.4	721.3	729.1	735.6	736.9	738.2	740.8
37.5°	635.7	652.6	644.8	648.7	650.0	657.8	660.3	666.8	669.4	669.4	669.4
40°	570.8	578.6	572.1	576.0	577.3	583.8	586.4	591.6	594.2	592.9	591.6
42.5°	500.8	507.3	500.8	504.7	504.7	509.9	511.2	517.6	517.6	515.0	511.2
45°	432.0	438.5	432.0	434.6	434.6	439.8	439.8	439.8	442.4	438.5	432.0
47.5°	367.1	373.6	367.1	369.7	368.4	372.3	371.0	372.3	368.4	365.8	358.1
50°	308.8	311.4	308.8	307.5	308.8	311.4	310.1	310.1	304.9	301.0	291.9
52.5°	251.7	255.6	251.7	251.7	251.7	254.3	254.3	253.0	247.8	242.6	233.5
55°	203.7	206.3	205.0	203.7	203.7	206.3	203.7	203.7	198.5	194.6	185.5
57.5°	162.2	163.5	162.2	162.2	162.2	163.5	163.5	160.9	157.0	153.1	146.6
60°	125.8	127.1	127.1	125.8	125.8	128.4	128.4	127.1	123.2	120.7	114.2
62.5°	99.9	99.9	99.9	99.9	99.9	101.2	101.2	101.2	98.6	96.0	90.8
65°	79.1	80.4	79.1	79.1	80.4	81.7	80.4	81.7	79.1	77.8	73.9
67.5°	61.0	62.3	61.0	62.3	62.3	63.6	62.3	63.6	61.0	59.7	57.1
70°	46.7	46.7	46.7	46.7	46.7	48.0	46.7	48.0	46.7	45.4	42.8
72.5°	35.0	35.0	36.3	36.3	35.0	36.3	35.0	35.0	35.0	33.7	32.4
75°	25.9	25.9	27.2	25.9	25.9	25.9	25.9	25.9	24.6	24.6	23.4
77.5°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	16.9	16.9	15.6
80°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	10.4	10.4
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.5	6.5
85°	3.9	3.9	3.9	5.2	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	1.3	1.3	1.3	2.6	1.3	1.3	2.6	2.6	1.3	1.3	1.3
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°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1097.5	1101.4	1101.4	1097.5	1106.6	1098.8	1114.4	1100.1	1104.0	1117.0	1115.7
5°	1093.7	1098.8	1100.1	1097.5	1109.2	1102.7	1118.3	1104.0	1110.5	1123.5	1123.5
7.5°	1088.5	1095.0	1097.5	1100.1	1110.5	1104.0	1122.2	1107.9	1117.0	1132.6	1131.3
10°	1076.8	1085.9	1091.1	1095.0	1105.3	1101.4	1120.9	1109.2	1117.0	1135.2	1133.9
12.5°	1070.3	1080.7	1088.5	1095.0	1106.6	1104.0	1123.5	1113.1	1123.5	1141.7	1141.7
15°	1065.1	1076.8	1085.9	1097.5	1109.2	1106.6	1127.4	1118.3	1128.7	1150.7	1149.4
17.5°	1052.1	1066.4	1075.5	1088.5	1100.1	1098.8	1120.9	1114.4	1126.1	1146.8	1148.1
20°	1030.1	1043.1	1053.4	1069.0	1082.0	1079.4	1102.7	1096.3	1107.9	1130.0	1131.3
22.5°	1001.5	1014.5	1024.9	1041.8	1053.4	1052.1	1075.5	1069.0	1080.7	1101.4	1102.7
25°	967.8	979.5	989.9	1005.4	1018.4	1018.4	1039.2	1032.7	1045.7	1066.4	1066.4
27.5°	926.3	936.7	945.8	963.9	974.3	974.3	993.8	987.3	1000.2	1018.4	1017.1
30°	875.7	884.8	892.6	908.1	917.2	918.5	935.4	928.9	941.9	957.4	957.4
32.5°	814.7	823.8	829.0	848.5	854.9	853.6	866.6	860.1	873.1	890.0	886.1
35°	749.9	753.8	757.6	777.1	779.7	774.5	787.5	781.0	790.1	806.9	804.3
37.5°	675.9	677.2	677.2	694.1	695.4	691.5	699.3	691.5	698.0	713.5	712.2
40°	594.2	592.9	591.6	604.6	603.3	595.5	600.7	594.2	603.3	614.9	608.5
42.5°	511.2	507.3	502.1	508.6	503.4	496.9	499.5	489.1	495.6	504.7	496.9
45°	429.4	421.6	411.3	412.6	406.1	398.3	394.4	384.0	382.7	391.8	385.3
47.5°	352.9	337.3	328.2	323.0	312.7	306.2	298.4	286.7	281.5	286.7	280.2
50°	284.1	268.5	256.9	245.2	234.8	227.0	214.1	206.3	198.5	199.8	194.6
52.5°	224.4	214.1	194.6	185.5	175.1	166.1	154.4	145.3	136.2	136.2	131.0
55°	177.7	163.5	150.5	137.5	127.1	119.4	107.7	98.6	89.5	88.2	83.0
57.5°	137.5	127.1	112.9	99.9	93.4	85.6	73.9	63.6	58.4	54.5	50.6
60°	106.4	96.0	84.3	73.9	66.2	61.0	49.3	41.5	36.3	33.7	29.8
62.5°	85.6	76.5	66.2	55.8	50.6	45.4	36.3	29.8	24.6	22.1	19.5
65°	68.8	61.0	53.2	45.4	41.5	36.3	29.8	24.6	20.8	18.2	15.6
67.5°	53.2	48.0	41.5	36.3	32.4	28.5	23.4	19.5	16.9	14.3	13.0
70°	40.2	36.3	32.4	27.2	24.6	22.1	18.2	14.3	13.0	11.7	10.4
72.5°	31.1	27.2	23.4	20.8	18.2	16.9	14.3	11.7	10.4	9.1	7.8
75°	20.8	19.5	16.9	14.3	13.0	11.7	10.4	9.1	7.8	6.5	6.5
77.5°	14.3	13.0	11.7	10.4	9.1	9.1	7.8	6.5	5.2	5.2	3.9
80°	9.1	7.8	7.8	6.5	6.5	6.5	5.2	3.9	3.9	3.9	2.6
82.5°	6.5	5.2	5.2	3.9	3.9	3.9	3.9	2.6	2.6	2.6	1.3
85°	3.9	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1105.3	1117.0	1117.0	1127.4	1128.7	1126.1	1114.4	1114.4	1130.0	1139.1	1123.5
5°	1115.7	1127.4	1127.4	1137.8	1143.0	1139.1	1127.4	1128.7	1144.3	1154.6	1139.1
7.5°	1124.8	1136.5	1139.1	1150.7	1154.6	1150.7	1139.1	1141.7	1158.5	1167.6	1152.0
10°	1128.7	1140.4	1141.7	1154.6	1159.8	1154.6	1145.5	1146.8	1165.0	1171.5	1157.2
12.5°	1137.8	1149.4	1149.4	1163.7	1168.9	1165.0	1153.3	1155.9	1174.1	1180.6	1166.3
15°	1146.8	1158.5	1158.5	1174.1	1180.6	1175.4	1166.3	1167.6	1185.8	1192.3	1180.6
17.5°	1146.8	1157.2	1157.2	1174.1	1180.6	1176.7	1166.3	1167.6	1187.1	1192.3	1180.6
20°	1130.0	1141.7	1139.1	1155.9	1162.4	1158.5	1149.4	1149.4	1168.9	1174.1	1162.4
22.5°	1102.7	1113.1	1110.5	1126.1	1133.9	1128.7	1120.9	1119.6	1139.1	1144.3	1132.6
25°	1065.1	1075.5	1072.9	1088.5	1096.3	1089.8	1080.7	1082.0	1097.5	1105.3	1095.0
27.5°	1021.0	1027.5	1023.6	1039.2	1047.0	1040.5	1031.4	1032.7	1048.2	1053.4	1045.7
30°	961.3	966.5	962.6	975.6	980.8	976.9	969.1	969.1	983.4	989.9	982.1
32.5°	890.0	893.9	890.0	900.4	910.7	902.9	895.2	895.2	910.7	915.9	906.8
35°	806.9	810.8	808.2	818.6	826.4	816.0	809.5	806.9	827.7	825.1	819.9
37.5°	714.8	717.4	709.6	727.8	731.7	720.0	714.8	712.2	730.4	729.1	723.9
40°	611.0	613.6	608.5	621.4	622.7	613.6	609.7	605.9	624.0	622.7	618.8
42.5°	500.8	502.1	495.6	506.0	508.6	499.5	498.2	493.0	509.9	507.3	506.0
45°	386.6	386.6	381.4	389.2	391.8	384.0	381.4	380.1	391.8	391.8	389.2
47.5°	280.2	276.3	269.8	281.5	282.8	277.6	276.3	272.4	284.1	284.1	281.5
50°	192.0	190.7	189.4	192.0	193.3	186.8	190.7	186.8	193.3	193.3	193.3
52.5°	128.4	127.1	124.5	127.1	127.1	123.2	123.2	121.9	127.1	127.1	124.5
55°	80.4	79.1	77.8	79.1	79.1	75.2	77.8	75.2	77.8	77.8	76.5
57.5°	49.3	46.7	46.7	45.4	45.4	42.8	44.1	44.1	44.1	44.1	44.1
60°	28.5	27.2	25.9	25.9	25.9	24.6	24.6	24.6	24.6	24.6	24.6
62.5°	18.2	18.2	16.9	16.9	16.9	16.9	16.9	15.6	16.9	16.9	16.9
65°	15.6	14.3	14.3	14.3	14.3	13.0	13.0	13.0	13.0	13.0	13.0
67.5°	13.0	11.7	11.7	11.7	11.7	10.4	10.4	10.4	10.4	10.4	10.4
70°	10.4	9.1	9.1	9.1	9.1	9.1	7.8	9.1	9.1	7.8	7.8
72.5°	7.8	7.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	0.0	1.3	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: P212796

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1141.7	1128.7	1122.2	1135.2	1140.4	1133.9	1128.7	1119.6	1128.7	1133.9	1140.4
5°	1157.2	1145.5	1140.4	1149.4	1157.2	1150.7	1146.8	1137.8	1146.8	1150.7	1157.2
7.5°	1171.5	1159.8	1153.3	1162.4	1171.5	1162.4	1158.5	1150.7	1158.5	1162.4	1171.5
10°	1176.7	1163.7	1158.5	1166.3	1175.4	1166.3	1161.1	1155.9	1161.1	1166.3	1175.4
12.5°	1185.8	1172.8	1166.3	1172.8	1181.9	1172.8	1167.6	1163.7	1167.6	1172.8	1181.9
15°	1198.7	1187.1	1179.3	1185.8	1197.4	1187.1	1180.6	1179.3	1180.6	1187.1	1197.4
17.5°	1198.7	1189.7	1181.9	1187.1	1198.7	1191.0	1181.9	1184.5	1181.9	1191.0	1198.7
20°	1181.9	1172.8	1166.3	1166.3	1183.2	1172.8	1165.0	1168.9	1165.0	1172.8	1183.2
22.5°	1152.0	1144.3	1137.8	1136.5	1153.3	1144.3	1133.9	1141.7	1133.9	1144.3	1153.3
25°	1113.1	1105.3	1100.1	1097.5	1114.4	1104.0	1095.0	1102.7	1095.0	1104.0	1114.4
27.5°	1062.5	1056.0	1050.8	1047.0	1062.5	1053.4	1044.4	1052.1	1044.4	1053.4	1062.5
30°	997.7	993.8	988.6	983.4	999.0	989.9	980.8	991.2	980.8	989.9	999.0
32.5°	922.4	919.8	913.3	908.1	923.7	913.3	906.8	914.6	906.8	913.3	923.7
35°	835.5	831.6	827.7	818.6	835.5	826.4	826.4	829.0	826.4	826.4	835.5
37.5°	738.2	735.6	730.4	722.6	736.9	730.4	727.8	735.6	727.8	730.4	736.9
40°	629.2	627.9	624.0	614.9	630.5	624.0	620.1	630.5	620.1	624.0	630.5
42.5°	515.0	512.4	508.6	507.3	515.0	509.9	513.7	513.7	513.7	509.9	515.0
45°	397.0	394.4	391.8	386.6	395.7	393.1	391.8	394.4	391.8	393.1	395.7
47.5°	288.0	285.4	282.8	278.9	288.0	284.1	284.1	286.7	284.1	284.1	288.0
50°	193.3	194.6	193.3	190.7	193.3	192.0	193.3	195.9	193.3	192.0	193.3
52.5°	128.4	128.4	125.8	124.5	127.1	125.8	129.7	127.1	129.7	125.8	127.1
55°	77.8	79.1	77.8	76.5	77.8	76.5	80.4	79.1	80.4	76.5	77.8
57.5°	44.1	44.1	45.4	44.1	46.7	45.4	45.4	45.4	45.4	45.4	46.7
60°	24.6	24.6	24.6	24.6	24.6	24.6	25.9	24.6	25.9	24.6	24.6
62.5°	16.9	16.9	16.9	15.6	16.9	15.6	16.9	16.9	16.9	15.6	16.9
65°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
67.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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: P212796

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1135.2	1122.2	1128.7	1141.7	1123.5	1139.1	1130.0	1114.4	1114.4	1126.1	1128.7
5°	1149.4	1140.4	1145.5	1157.2	1139.1	1154.6	1144.3	1128.7	1127.4	1139.1	1143.0
7.5°	1162.4	1153.3	1159.8	1171.5	1152.0	1167.6	1158.5	1141.7	1139.1	1150.7	1154.6
10°	1166.3	1158.5	1163.7	1176.7	1157.2	1171.5	1165.0	1146.8	1145.5	1154.6	1159.8
12.5°	1172.8	1166.3	1172.8	1185.8	1166.3	1180.6	1174.1	1155.9	1153.3	1165.0	1168.9
15°	1185.8	1179.3	1187.1	1198.7	1180.6	1192.3	1185.8	1167.6	1166.3	1175.4	1180.6
17.5°	1187.1	1181.9	1189.7	1198.7	1180.6	1192.3	1187.1	1167.6	1166.3	1176.7	1180.6
20°	1166.3	1166.3	1172.8	1181.9	1162.4	1174.1	1168.9	1149.4	1149.4	1158.5	1162.4
22.5°	1136.5	1137.8	1144.3	1152.0	1132.6	1144.3	1139.1	1119.6	1120.9	1128.7	1133.9
25°	1097.5	1100.1	1105.3	1113.1	1095.0	1105.3	1097.5	1082.0	1080.7	1089.8	1096.3
27.5°	1047.0	1050.8	1056.0	1062.5	1045.7	1053.4	1048.2	1032.7	1031.4	1040.5	1047.0
30°	983.4	988.6	993.8	997.7	982.1	989.9	983.4	969.1	969.1	976.9	980.8
32.5°	908.1	913.3	919.8	922.4	906.8	915.9	910.7	895.2	895.2	902.9	910.7
35°	818.6	827.7	831.6	835.5	819.9	825.1	827.7	806.9	809.5	816.0	826.4
37.5°	722.6	730.4	735.6	738.2	723.9	729.1	730.4	712.2	714.8	720.0	731.7
40°	614.9	624.0	627.9	629.2	618.8	622.7	624.0	605.9	609.7	613.6	622.7
42.5°	507.3	508.6	512.4	515.0	506.0	507.3	509.9	493.0	498.2	499.5	508.6
45°	386.6	391.8	394.4	397.0	389.2	391.8	391.8	380.1	381.4	384.0	391.8
47.5°	278.9	282.8	285.4	288.0	281.5	284.1	284.1	272.4	276.3	277.6	282.8
50°	190.7	193.3	194.6	193.3	193.3	193.3	193.3	186.8	190.7	186.8	193.3
52.5°	124.5	125.8	128.4	128.4	124.5	127.1	127.1	121.9	123.2	123.2	127.1
55°	76.5	77.8	79.1	77.8	76.5	77.8	77.8	75.2	77.8	75.2	79.1
57.5°	44.1	45.4	44.1	44.1	44.1	44.1	44.1	44.1	44.1	42.8	45.4
60°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.9
62.5°	15.6	16.9	16.9	16.9	16.9	16.9	16.9	15.6	16.9	16.9	16.9
65°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	14.3
67.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.7
70°	7.8	7.8	7.8	7.8	7.8	7.8	9.1	9.1	7.8	9.1	9.1
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.2
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	1.3
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: P212796

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1127.4	1117.0	1117.0	1105.3	1115.7	1117.0	1104.0	1100.1	1114.4	1098.8	1106.6
5°	1137.8	1127.4	1127.4	1115.7	1123.5	1123.5	1110.5	1104.0	1118.3	1102.7	1109.2
7.5°	1150.7	1139.1	1136.5	1124.8	1131.3	1132.6	1117.0	1107.9	1122.2	1104.0	1110.5
10°	1154.6	1141.7	1140.4	1128.7	1133.9	1135.2	1117.0	1109.2	1120.9	1101.4	1105.3
12.5°	1163.7	1149.4	1149.4	1137.8	1141.7	1141.7	1123.5	1113.1	1123.5	1104.0	1106.6
15°	1174.1	1158.5	1158.5	1146.8	1149.4	1150.7	1128.7	1118.3	1127.4	1106.6	1109.2
17.5°	1174.1	1157.2	1157.2	1146.8	1148.1	1146.8	1126.1	1114.4	1120.9	1098.8	1100.1
20°	1155.9	1139.1	1141.7	1130.0	1131.3	1130.0	1107.9	1096.3	1102.7	1079.4	1082.0
22.5°	1126.1	1110.5	1113.1	1102.7	1102.7	1101.4	1080.7	1069.0	1075.5	1052.1	1053.4
25°	1088.5	1072.9	1075.5	1065.1	1066.4	1066.4	1045.7	1032.7	1039.2	1018.4	1018.4
27.5°	1039.2	1023.6	1027.5	1021.0	1017.1	1018.4	1000.2	987.3	993.8	974.3	974.3
30°	975.6	962.6	966.5	961.3	957.4	957.4	941.9	928.9	935.4	918.5	917.2
32.5°	900.4	890.0	893.9	890.0	886.1	890.0	873.1	860.1	866.6	853.6	854.9
35°	818.6	808.2	810.8	806.9	804.3	806.9	790.1	781.0	787.5	774.5	779.7
37.5°	727.8	709.6	717.4	714.8	712.2	713.5	698.0	691.5	699.3	691.5	695.4
40°	621.4	608.5	613.6	611.0	608.5	614.9	603.3	594.2	600.7	595.5	603.3
42.5°	506.0	495.6	502.1	500.8	496.9	504.7	495.6	489.1	499.5	496.9	503.4
45°	389.2	381.4	386.6	386.6	385.3	391.8	382.7	384.0	394.4	398.3	406.1
47.5°	281.5	269.8	276.3	280.2	280.2	286.7	281.5	286.7	298.4	306.2	312.7
50°	192.0	189.4	190.7	192.0	194.6	199.8	198.5	206.3	214.1	227.0	234.8
52.5°	127.1	124.5	127.1	128.4	131.0	136.2	136.2	145.3	154.4	166.1	175.1
55°	79.1	77.8	79.1	80.4	83.0	88.2	89.5	98.6	107.7	119.4	127.1
57.5°	45.4	46.7	46.7	49.3	50.6	54.5	58.4	63.6	73.9	85.6	93.4
60°	25.9	25.9	27.2	28.5	29.8	33.7	36.3	41.5	49.3	61.0	66.2
62.5°	16.9	16.9	18.2	18.2	19.5	22.1	24.6	29.8	36.3	45.4	50.6
65°	14.3	14.3	14.3	15.6	15.6	18.2	20.8	24.6	29.8	36.3	41.5
67.5°	11.7	11.7	11.7	13.0	13.0	14.3	16.9	19.5	23.4	28.5	32.4
70°	9.1	9.1	9.1	10.4	10.4	11.7	13.0	14.3	18.2	22.1	24.6
72.5°	6.5	6.5	7.8	7.8	7.8	9.1	10.4	11.7	14.3	16.9	18.2
75°	5.2	5.2	5.2	5.2	6.5	6.5	7.8	9.1	10.4	11.7	13.0
77.5°	2.6	2.6	3.9	3.9	3.9	5.2	5.2	6.5	7.8	9.1	9.1
80°	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9	5.2	6.5	6.5
82.5°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	3.9	3.9	3.9
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
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: P212796

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1097.5	1101.4	1101.4	1097.5	1087.2	1096.3	1105.3	1096.3	1107.9	1087.2	1087.2
5°	1097.5	1100.1	1098.8	1093.7	1083.3	1091.1	1097.5	1088.5	1097.5	1078.1	1076.8
7.5°	1100.1	1097.5	1095.0	1088.5	1075.5	1080.7	1087.2	1076.8	1085.9	1065.1	1062.5
10°	1095.0	1091.1	1085.9	1076.8	1062.5	1066.4	1070.3	1061.2	1067.7	1047.0	1045.7
12.5°	1095.0	1088.5	1080.7	1070.3	1054.7	1057.3	1061.2	1049.5	1054.7	1035.3	1032.7
15°	1097.5	1085.9	1076.8	1065.1	1048.2	1049.5	1052.1	1039.2	1044.4	1023.6	1022.3
17.5°	1088.5	1075.5	1066.4	1052.1	1034.0	1035.3	1035.3	1022.3	1026.2	1005.4	1004.1
20°	1069.0	1053.4	1043.1	1030.1	1010.6	1010.6	1010.6	997.7	1000.2	982.1	979.5
22.5°	1041.8	1024.9	1014.5	1001.5	983.4	982.1	980.8	970.4	970.4	953.5	949.7
25°	1005.4	989.9	979.5	967.8	949.7	947.1	947.1	938.0	936.7	921.1	918.5
27.5°	963.9	945.8	936.7	926.3	909.4	906.8	905.5	900.4	897.8	880.9	879.6
30°	908.1	892.6	884.8	875.7	860.1	857.5	856.2	851.1	849.8	832.9	832.9
32.5°	848.5	829.0	823.8	814.7	803.1	801.8	803.1	796.6	791.4	779.7	777.1
35°	777.1	757.6	753.8	749.9	740.8	738.2	736.9	735.6	729.1	721.3	717.4
37.5°	694.1	677.2	677.2	675.9	669.4	669.4	669.4	666.8	660.3	657.8	650.0
40°	604.6	591.6	592.9	594.2	591.6	592.9	594.2	591.6	586.4	583.8	577.3
42.5°	508.6	502.1	507.3	511.2	511.2	515.0	517.6	517.6	511.2	509.9	504.7
45°	412.6	411.3	421.6	429.4	432.0	438.5	442.4	439.8	439.8	439.8	434.6
47.5°	323.0	328.2	337.3	352.9	358.1	365.8	368.4	372.3	371.0	372.3	368.4
50°	245.2	256.9	268.5	284.1	291.9	301.0	304.9	310.1	310.1	311.4	308.8
52.5°	185.5	194.6	214.1	224.4	233.5	242.6	247.8	253.0	254.3	254.3	251.7
55°	137.5	150.5	163.5	177.7	185.5	194.6	198.5	203.7	203.7	206.3	203.7
57.5°	99.9	112.9	127.1	137.5	146.6	153.1	157.0	160.9	163.5	163.5	162.2
60°	73.9	84.3	96.0	106.4	114.2	120.7	123.2	127.1	128.4	128.4	125.8
62.5°	55.8	66.2	76.5	85.6	90.8	96.0	98.6	101.2	101.2	101.2	99.9
65°	45.4	53.2	61.0	68.8	73.9	77.8	79.1	81.7	80.4	81.7	80.4
67.5°	36.3	41.5	48.0	53.2	57.1	59.7	61.0	63.6	62.3	63.6	62.3
70°	27.2	32.4	36.3	40.2	42.8	45.4	46.7	48.0	46.7	48.0	46.7
72.5°	20.8	23.4	27.2	31.1	32.4	33.7	35.0	35.0	35.0	36.3	35.0
75°	14.3	16.9	19.5	20.8	23.4	24.6	24.6	25.9	25.9	25.9	25.9
77.5°	10.4	11.7	13.0	14.3	15.6	16.9	16.9	18.2	18.2	18.2	18.2
80°	6.5	7.8	7.8	9.1	10.4	10.4	11.7	11.7	11.7	11.7	11.7
82.5°	3.9	5.2	5.2	6.5	6.5	6.5	7.8	7.8	7.8	7.8	7.8
85°	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	1.3	1.3
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: P212796

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1114.4	1114.4	1114.4	1114.4
2.5°	1097.5	1091.1	1101.4	1085.9
5°	1085.9	1079.4	1092.4	1072.9
7.5°	1071.6	1065.1	1076.8	1057.3
10°	1053.4	1047.0	1057.3	1036.6
12.5°	1037.9	1031.4	1043.1	1023.6
15°	1026.2	1019.7	1030.1	1011.9
17.5°	1008.0	1000.2	1011.9	992.5
20°	982.1	976.9	986.0	966.5
22.5°	952.2	947.1	957.4	938.0
25°	921.1	914.6	925.0	905.5
27.5°	880.9	875.7	886.1	866.6
30°	832.9	827.7	838.1	819.9
32.5°	778.4	773.2	781.0	765.4
35°	716.1	712.2	720.0	703.2
37.5°	648.7	644.8	652.6	635.7
40°	576.0	572.1	578.6	570.8
42.5°	504.7	500.8	507.3	500.8
45°	434.6	432.0	438.5	432.0
47.5°	369.7	367.1	373.6	367.1
50°	307.5	308.8	311.4	308.8
52.5°	251.7	251.7	255.6	251.7
55°	203.7	205.0	206.3	203.7
57.5°	162.2	162.2	163.5	162.2
60°	125.8	127.1	127.1	125.8
62.5°	99.9	99.9	99.9	99.9
65°	79.1	79.1	80.4	79.1
67.5°	62.3	61.0	62.3	61.0
70°	46.7	46.7	46.7	46.7
72.5°	36.3	36.3	35.0	35.0
75°	25.9	27.2	25.9	25.9
77.5°	18.2	18.2	18.2	18.2
80°	11.7	11.7	11.7	11.7
82.5°	7.8	7.8	7.8	7.8
85°	5.2	3.9	3.9	3.9
87.5°	2.6	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)