

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: P212804

Luminaire Tested: **LD6B20D010 EU6B10209035 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212804  
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 EU6B10209035 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1687.1 lumens  
Efficiency: N/A  
Efficacy: 81.1 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

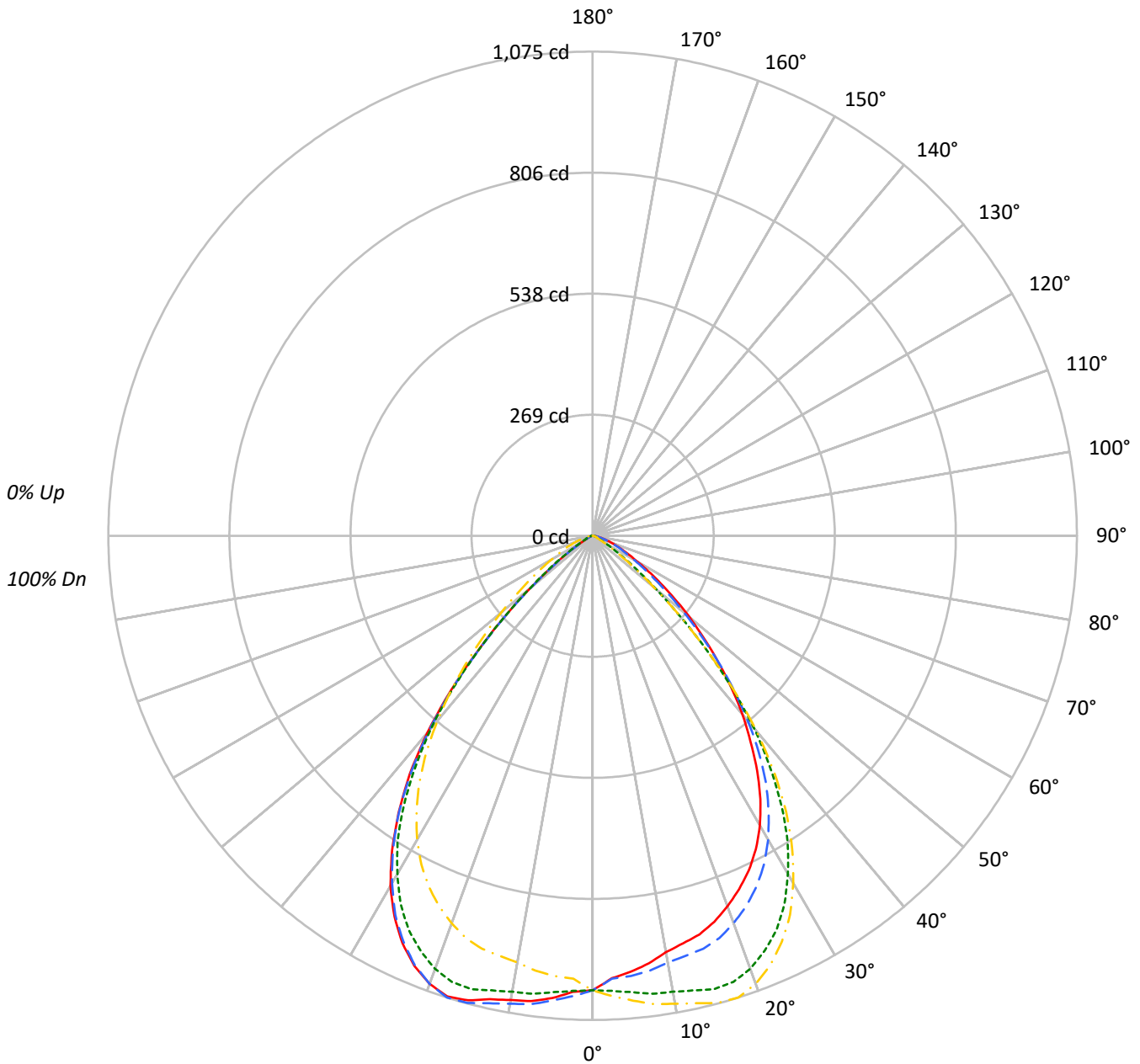
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	55319	55319	55319	55319
5°	53461	55982	56697	55982
10°	52248	57219	58265	57219
15°	52004	59138	60602	59138
20°	51058	59692	61745	59692
25°	49600	58407	60397	58407
30°	46995	54882	56813	54882
35°	42610	48901	50239	48901
40°	36991	39846	40855	39846
45°	30329	27507	27685	27507
50°	23846	15428	15130	15428
55°	17624	7637	6853	7637
60°	12499	3344	2445	3344
65°	9301	2127	1518	2127
70°	6780	1699	1122	1699
75°	4978	1250	741	1250
80°	3346	1105	379	1105
85°	2201	755	755	755



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.6	5.7
10°-20°	286.1	17.0
20°-30°	427.0	25.3
30°-40°	438.7	26.0
40°-50°	284.1	16.8
50°-60°	105.6	6.3
60°-70°	34.7	2.1
70°-80°	12.2	0.7
80°-90°	2.2	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°	809.7	48.0
0°-40°	1248.4	74.0
0°-60°	1638.1	97.1
0°-90°	1687.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1687.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1009	1009	1009	1009	1009	
5°	972	1017	1030	1017	972	92
15°	916	1042	1068	1042	916	258
25°	820	966	998	966	820	376
35°	637	731	751	731	637	395
45°	391	355	357	355	391	302
55°	184	80	72	80	184	168
65°	72	16	12	16	72	73
75°	24	6	4	6	24	26
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°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	983.3	997.4	988.0	993.8	984.4	984.4	1003.2	992.7	1000.9	992.7	984.4
5°	971.5	989.1	977.4	983.3	975.0	976.2	993.8	985.6	993.8	988.0	980.9
7.5°	957.4	975.0	964.5	970.3	962.1	964.5	983.3	975.0	984.4	978.6	973.9
10°	938.6	957.4	948.0	953.9	946.8	948.0	966.8	960.9	969.2	965.6	962.1
12.5°	926.9	944.5	933.9	939.8	935.1	937.4	955.1	950.4	960.9	957.4	955.1
15°	916.3	932.7	923.4	929.2	925.7	926.9	945.7	941.0	952.7	950.4	949.2
17.5°	898.7	916.3	905.7	912.8	909.3	910.4	929.2	925.7	937.4	937.4	936.3
20°	875.2	892.8	884.6	889.3	886.9	889.3	905.7	903.4	915.1	915.1	915.1
22.5°	849.3	867.0	857.6	862.3	859.9	863.4	878.7	878.7	888.1	889.3	890.5
25°	820.0	837.6	828.2	834.1	831.7	834.1	848.2	849.3	857.6	857.6	859.9
27.5°	784.7	802.4	793.0	797.7	796.5	797.7	812.9	815.3	820.0	821.1	823.5
30°	742.4	758.9	749.5	754.2	754.2	754.2	769.5	770.6	775.3	776.5	778.9
32.5°	693.1	707.2	700.1	704.8	703.7	706.0	716.6	721.3	727.2	726.0	727.2
35°	636.7	652.0	644.9	648.5	649.6	653.2	660.2	666.1	667.3	668.4	670.8
37.5°	575.6	590.9	583.8	587.4	588.5	595.6	597.9	603.8	606.2	606.2	606.2
40°	516.9	523.9	518.1	521.6	522.8	528.6	531.0	535.7	538.0	536.9	535.7
42.5°	453.5	459.3	453.5	457.0	457.0	461.7	462.9	468.7	468.7	466.4	462.9
45°	391.2	397.1	391.2	393.5	393.5	398.2	398.2	398.2	400.6	397.1	391.2
47.5°	332.5	338.3	332.5	334.8	333.6	337.2	336.0	337.2	333.6	331.3	324.2
50°	279.6	281.9	279.6	278.4	279.6	281.9	280.8	280.8	276.1	272.5	264.3
52.5°	227.9	231.4	227.9	227.9	227.9	230.3	230.3	229.1	224.4	219.7	211.5
55°	184.4	186.8	185.6	184.4	184.4	186.8	184.4	184.4	179.7	176.2	168.0
57.5°	146.8	148.0	146.8	146.8	146.8	148.0	148.0	145.7	142.1	138.6	132.7
60°	114.0	115.1	115.1	114.0	114.0	116.3	116.3	115.1	111.6	109.3	103.4
62.5°	90.5	90.5	90.5	90.5	90.5	91.6	91.6	91.6	89.3	86.9	82.2
65°	71.7	72.8	71.7	71.7	72.8	74.0	72.8	74.0	71.7	70.5	67.0
67.5°	55.2	56.4	55.2	56.4	56.4	57.6	56.4	57.6	55.2	54.0	51.7
70°	42.3	42.3	42.3	42.3	42.3	43.5	42.3	43.5	42.3	41.1	38.8
72.5°	31.7	31.7	32.9	32.9	31.7	32.9	31.7	31.7	31.7	30.5	29.4
75°	23.5	23.5	24.7	23.5	23.5	23.5	23.5	23.5	22.3	22.3	21.1
77.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	15.3	15.3	14.1
80°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	9.4	9.4
82.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.9	5.9
85°	3.5	3.5	3.5	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	1.2	1.2	1.2	2.3	1.2	1.2	2.3	2.3	1.2	1.2	1.2
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°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	993.8	997.4	997.4	993.8	1002.1	995.0	1009.1	996.2	999.7	1011.5	1010.3
5°	990.3	995.0	996.2	993.8	1004.4	998.5	1012.6	999.7	1005.6	1017.3	1017.3
7.5°	985.6	991.5	993.8	996.2	1005.6	999.7	1016.2	1003.2	1011.5	1025.6	1024.4
10°	975.0	983.3	988.0	991.5	1000.9	997.4	1015.0	1004.4	1011.5	1027.9	1026.7
12.5°	969.2	978.6	985.6	991.5	1002.1	999.7	1017.3	1007.9	1017.3	1033.8	1033.8
15°	964.5	975.0	983.3	993.8	1004.4	1002.1	1020.9	1012.6	1022.0	1042.0	1040.8
17.5°	952.7	965.6	973.9	985.6	996.2	995.0	1015.0	1009.1	1019.7	1038.5	1039.7
20°	932.7	944.5	953.9	968.0	979.7	977.4	998.5	992.7	1003.2	1023.2	1024.4
22.5°	906.9	918.7	928.0	943.3	953.9	952.7	973.9	968.0	978.6	997.4	998.5
25°	876.4	886.9	896.3	910.4	922.2	922.2	941.0	935.1	946.8	965.6	965.6
27.5°	838.8	848.2	856.4	872.8	882.2	882.2	899.9	894.0	905.7	922.2	921.0
30°	793.0	801.2	808.2	822.3	830.5	831.7	847.0	841.1	852.9	867.0	867.0
32.5°	737.7	746.0	750.7	768.3	774.2	773.0	784.7	778.9	790.6	805.9	802.4
35°	679.0	682.5	686.1	703.7	706.0	701.3	713.1	707.2	715.4	730.7	728.3
37.5°	612.0	613.2	613.2	628.5	629.7	626.1	633.2	626.1	632.0	646.1	644.9
40°	538.0	536.9	535.7	547.4	546.3	539.2	543.9	538.0	546.3	556.8	551.0
42.5°	462.9	459.3	454.6	460.5	455.8	449.9	452.3	442.9	448.8	457.0	449.9
45°	388.8	381.8	372.4	373.6	367.7	360.6	357.1	347.7	346.6	354.8	348.9
47.5°	319.5	305.4	297.2	292.5	283.1	277.2	270.2	259.6	254.9	259.6	253.7
50°	257.3	243.2	232.6	222.0	212.6	205.6	193.8	186.8	179.7	180.9	176.2
52.5°	203.2	193.8	176.2	168.0	158.6	150.4	139.8	131.6	123.3	123.3	118.6
55°	160.9	148.0	136.3	124.5	115.1	108.1	97.5	89.3	81.1	79.9	75.2
57.5°	124.5	115.1	102.2	90.5	84.6	77.5	67.0	57.6	52.9	49.3	45.8
60°	96.3	86.9	76.4	67.0	59.9	55.2	44.6	37.6	32.9	30.5	27.0
62.5°	77.5	69.3	59.9	50.5	45.8	41.1	32.9	27.0	22.3	20.0	17.6
65°	62.3	55.2	48.2	41.1	37.6	32.9	27.0	22.3	18.8	16.4	14.1
67.5°	48.2	43.5	37.6	32.9	29.4	25.8	21.1	17.6	15.3	12.9	11.7
70°	36.4	32.9	29.4	24.7	22.3	20.0	16.4	12.9	11.7	10.6	9.4
72.5°	28.2	24.7	21.1	18.8	16.4	15.3	12.9	10.6	9.4	8.2	7.0
75°	18.8	17.6	15.3	12.9	11.7	10.6	9.4	8.2	7.0	5.9	5.9
77.5°	12.9	11.7	10.6	9.4	8.2	8.2	7.0	5.9	4.7	4.7	3.5
80°	8.2	7.0	7.0	5.9	5.9	5.9	4.7	3.5	3.5	3.5	2.3
82.5°	5.9	4.7	4.7	3.5	3.5	3.5	3.5	2.3	2.3	2.3	1.2
85°	3.5	2.3	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	1000.9	1011.5	1011.5	1020.9	1022.0	1019.7	1009.1	1009.1	1023.2	1031.4	1017.3
5°	1010.3	1020.9	1020.9	1030.3	1035.0	1031.4	1020.9	1022.0	1036.1	1045.5	1031.4
7.5°	1018.5	1029.1	1031.4	1042.0	1045.5	1042.0	1031.4	1033.8	1049.0	1057.3	1043.2
10°	1022.0	1032.6	1033.8	1045.5	1050.2	1045.5	1037.3	1038.5	1054.9	1060.8	1047.9
12.5°	1030.3	1040.8	1040.8	1053.7	1058.4	1054.9	1044.3	1046.7	1063.1	1069.0	1056.1
15°	1038.5	1049.0	1049.0	1063.1	1069.0	1064.3	1056.1	1057.3	1073.7	1079.6	1069.0
17.5°	1038.5	1047.9	1047.9	1063.1	1069.0	1065.5	1056.1	1057.3	1074.9	1079.6	1069.0
20°	1023.2	1033.8	1031.4	1046.7	1052.6	1049.0	1040.8	1040.8	1058.4	1063.1	1052.6
22.5°	998.5	1007.9	1005.6	1019.7	1026.7	1022.0	1015.0	1013.8	1031.4	1036.1	1025.6
25°	964.5	973.9	971.5	985.6	992.7	986.8	978.6	979.7	993.8	1000.9	991.5
27.5°	924.5	930.4	926.9	941.0	948.0	942.1	933.9	935.1	949.2	953.9	946.8
30°	870.5	875.2	871.7	883.4	888.1	884.6	877.5	877.5	890.5	896.3	889.3
32.5°	805.9	809.4	805.9	815.3	824.7	817.6	810.6	810.6	824.7	829.4	821.1
35°	730.7	734.2	731.9	741.3	748.3	738.9	733.0	730.7	749.5	747.1	742.4
37.5°	647.3	649.6	642.6	659.0	662.6	652.0	647.3	644.9	661.4	660.2	655.5
40°	553.3	555.7	551.0	562.7	563.9	555.7	552.1	548.6	565.1	563.9	560.4
42.5°	453.5	454.6	448.8	458.2	460.5	452.3	451.1	446.4	461.7	459.3	458.2
45°	350.1	350.1	345.4	352.4	354.8	347.7	345.4	344.2	354.8	354.8	352.4
47.5°	253.7	250.2	244.3	254.9	256.1	251.4	250.2	246.7	257.3	257.3	254.9
50°	173.9	172.7	171.5	173.9	175.0	169.2	172.7	169.2	175.0	175.0	175.0
52.5°	116.3	115.1	112.8	115.1	115.1	111.6	111.6	110.4	115.1	115.1	112.8
55°	72.8	71.7	70.5	71.7	71.7	68.1	70.5	68.1	70.5	70.5	69.3
57.5°	44.6	42.3	42.3	41.1	41.1	38.8	39.9	39.9	39.9	39.9	39.9
60°	25.8	24.7	23.5	23.5	23.5	22.3	22.3	22.3	22.3	22.3	22.3
62.5°	16.4	16.4	15.3	15.3	15.3	15.3	15.3	14.1	15.3	15.3	15.3
65°	14.1	12.9	12.9	12.9	12.9	11.7	11.7	11.7	11.7	11.7	11.7
67.5°	11.7	10.6	10.6	10.6	10.6	9.4	9.4	9.4	9.4	9.4	9.4
70°	9.4	8.2	8.2	8.2	8.2	8.2	7.0	8.2	8.2	7.0	7.0
72.5°	7.0	7.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
75°	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	3.5	3.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0	1.2	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: P212804

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	1033.8	1022.0	1016.2	1027.9	1032.6	1026.7	1022.0	1013.8	1022.0	1026.7	1032.6
5°	1047.9	1037.3	1032.6	1040.8	1047.9	1042.0	1038.5	1030.3	1038.5	1042.0	1047.9
7.5°	1060.8	1050.2	1044.3	1052.6	1060.8	1052.6	1049.0	1042.0	1049.0	1052.6	1060.8
10°	1065.5	1053.7	1049.0	1056.1	1064.3	1056.1	1051.4	1046.7	1051.4	1056.1	1064.3
12.5°	1073.7	1062.0	1056.1	1062.0	1070.2	1062.0	1057.3	1053.7	1057.3	1062.0	1070.2
15°	1085.5	1074.9	1067.8	1073.7	1084.3	1074.9	1069.0	1067.8	1069.0	1074.9	1084.3
17.5°	1085.5	1077.2	1070.2	1074.9	1085.5	1078.4	1070.2	1072.5	1070.2	1078.4	1085.5
20°	1070.2	1062.0	1056.1	1056.1	1071.4	1062.0	1054.9	1058.4	1054.9	1062.0	1071.4
22.5°	1043.2	1036.1	1030.3	1029.1	1044.3	1036.1	1026.7	1033.8	1026.7	1036.1	1044.3
25°	1007.9	1000.9	996.2	993.8	1009.1	999.7	991.5	998.5	991.5	999.7	1009.1
27.5°	962.1	956.2	951.5	948.0	962.1	953.9	945.7	952.7	945.7	953.9	962.1
30°	903.4	899.9	895.2	890.5	904.6	896.3	888.1	897.5	888.1	896.3	904.6
32.5°	835.2	832.9	827.0	822.3	836.4	827.0	821.1	828.2	821.1	827.0	836.4
35°	756.5	753.0	749.5	741.3	756.5	748.3	748.3	750.7	748.3	748.3	756.5
37.5°	668.4	666.1	661.4	654.3	667.3	661.4	659.0	666.1	659.0	661.4	667.3
40°	569.8	568.6	565.1	556.8	570.9	565.1	561.5	570.9	561.5	565.1	570.9
42.5°	466.4	464.0	460.5	459.3	466.4	461.7	465.2	465.2	465.2	461.7	466.4
45°	359.5	357.1	354.8	350.1	358.3	355.9	354.8	357.1	354.8	355.9	358.3
47.5°	260.8	258.4	256.1	252.6	260.8	257.3	257.3	259.6	257.3	257.3	260.8
50°	175.0	176.2	175.0	172.7	175.0	173.9	175.0	177.4	175.0	173.9	175.0
52.5°	116.3	116.3	114.0	112.8	115.1	114.0	117.5	115.1	117.5	114.0	115.1
55°	70.5	71.7	70.5	69.3	70.5	69.3	72.8	71.7	72.8	69.3	70.5
57.5°	39.9	39.9	41.1	39.9	42.3	41.1	41.1	41.1	41.1	41.1	42.3
60°	22.3	22.3	22.3	22.3	22.3	22.3	23.5	22.3	23.5	22.3	22.3
62.5°	15.3	15.3	15.3	14.1	15.3	14.1	15.3	15.3	15.3	14.1	15.3
65°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
67.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
70°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
72.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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: P212804

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	1027.9	1016.2	1022.0	1033.8	1017.3	1031.4	1023.2	1009.1	1009.1	1019.7	1022.0
5°	1040.8	1032.6	1037.3	1047.9	1031.4	1045.5	1036.1	1022.0	1020.9	1031.4	1035.0
7.5°	1052.6	1044.3	1050.2	1060.8	1043.2	1057.3	1049.0	1033.8	1031.4	1042.0	1045.5
10°	1056.1	1049.0	1053.7	1065.5	1047.9	1060.8	1054.9	1038.5	1037.3	1045.5	1050.2
12.5°	1062.0	1056.1	1062.0	1073.7	1056.1	1069.0	1063.1	1046.7	1044.3	1054.9	1058.4
15°	1073.7	1067.8	1074.9	1085.5	1069.0	1079.6	1073.7	1057.3	1056.1	1064.3	1069.0
17.5°	1074.9	1070.2	1077.2	1085.5	1069.0	1079.6	1074.9	1057.3	1056.1	1065.5	1069.0
20°	1056.1	1056.1	1062.0	1070.2	1052.6	1063.1	1058.4	1040.8	1040.8	1049.0	1052.6
22.5°	1029.1	1030.3	1036.1	1043.2	1025.6	1036.1	1031.4	1013.8	1015.0	1022.0	1026.7
25°	993.8	996.2	1000.9	1007.9	991.5	1000.9	993.8	979.7	978.6	986.8	992.7
27.5°	948.0	951.5	956.2	962.1	946.8	953.9	949.2	935.1	933.9	942.1	948.0
30°	890.5	895.2	899.9	903.4	889.3	896.3	890.5	877.5	877.5	884.6	888.1
32.5°	822.3	827.0	832.9	835.2	821.1	829.4	824.7	810.6	810.6	817.6	824.7
35°	741.3	749.5	753.0	756.5	742.4	747.1	749.5	730.7	733.0	738.9	748.3
37.5°	654.3	661.4	666.1	668.4	655.5	660.2	661.4	644.9	647.3	652.0	662.6
40°	556.8	565.1	568.6	569.8	560.4	563.9	565.1	548.6	552.1	555.7	563.9
42.5°	459.3	460.5	464.0	466.4	458.2	459.3	461.7	446.4	451.1	452.3	460.5
45°	350.1	354.8	357.1	359.5	352.4	354.8	354.8	344.2	345.4	347.7	354.8
47.5°	252.6	256.1	258.4	260.8	254.9	257.3	257.3	246.7	250.2	251.4	256.1
50°	172.7	175.0	176.2	175.0	175.0	175.0	175.0	169.2	172.7	169.2	175.0
52.5°	112.8	114.0	116.3	116.3	112.8	115.1	115.1	110.4	111.6	111.6	115.1
55°	69.3	70.5	71.7	70.5	69.3	70.5	70.5	68.1	70.5	68.1	71.7
57.5°	39.9	41.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	38.8	41.1
60°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	23.5
62.5°	14.1	15.3	15.3	15.3	15.3	15.3	15.3	14.1	15.3	15.3	15.3
65°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.9
67.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	10.6
70°	7.0	7.0	7.0	7.0	7.0	7.0	8.2	8.2	7.0	8.2	8.2
72.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0	1.2
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: P212804

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	1020.9	1011.5	1011.5	1000.9	1010.3	1011.5	999.7	996.2	1009.1	995.0	1002.1
5°	1030.3	1020.9	1020.9	1010.3	1017.3	1017.3	1005.6	999.7	1012.6	998.5	1004.4
7.5°	1042.0	1031.4	1029.1	1018.5	1024.4	1025.6	1011.5	1003.2	1016.2	999.7	1005.6
10°	1045.5	1033.8	1032.6	1022.0	1026.7	1027.9	1011.5	1004.4	1015.0	997.4	1000.9
12.5°	1053.7	1040.8	1040.8	1030.3	1033.8	1033.8	1017.3	1007.9	1017.3	999.7	1002.1
15°	1063.1	1049.0	1049.0	1038.5	1040.8	1042.0	1022.0	1012.6	1020.9	1002.1	1004.4
17.5°	1063.1	1047.9	1047.9	1038.5	1039.7	1038.5	1019.7	1009.1	1015.0	995.0	996.2
20°	1046.7	1031.4	1033.8	1023.2	1024.4	1023.2	1003.2	992.7	998.5	977.4	979.7
22.5°	1019.7	1005.6	1007.9	998.5	998.5	997.4	978.6	968.0	973.9	952.7	953.9
25°	985.6	971.5	973.9	964.5	965.6	965.6	946.8	935.1	941.0	922.2	922.2
27.5°	941.0	926.9	930.4	924.5	921.0	922.2	905.7	894.0	899.9	882.2	882.2
30°	883.4	871.7	875.2	870.5	867.0	867.0	852.9	841.1	847.0	831.7	830.5
32.5°	815.3	805.9	809.4	805.9	802.4	805.9	790.6	778.9	784.7	773.0	774.2
35°	741.3	731.9	734.2	730.7	728.3	730.7	715.4	707.2	713.1	701.3	706.0
37.5°	659.0	642.6	649.6	647.3	644.9	646.1	632.0	626.1	633.2	626.1	629.7
40°	562.7	551.0	555.7	553.3	551.0	556.8	546.3	538.0	543.9	539.2	546.3
42.5°	458.2	448.8	454.6	453.5	449.9	457.0	448.8	442.9	452.3	449.9	455.8
45°	352.4	345.4	350.1	350.1	348.9	354.8	346.6	347.7	357.1	360.6	367.7
47.5°	254.9	244.3	250.2	253.7	253.7	259.6	254.9	259.6	270.2	277.2	283.1
50°	173.9	171.5	172.7	173.9	176.2	180.9	179.7	186.8	193.8	205.6	212.6
52.5°	115.1	112.8	115.1	116.3	118.6	123.3	123.3	131.6	139.8	150.4	158.6
55°	71.7	70.5	71.7	72.8	75.2	79.9	81.1	89.3	97.5	108.1	115.1
57.5°	41.1	42.3	42.3	44.6	45.8	49.3	52.9	57.6	67.0	77.5	84.6
60°	23.5	23.5	24.7	25.8	27.0	30.5	32.9	37.6	44.6	55.2	59.9
62.5°	15.3	15.3	16.4	16.4	17.6	20.0	22.3	27.0	32.9	41.1	45.8
65°	12.9	12.9	12.9	14.1	14.1	16.4	18.8	22.3	27.0	32.9	37.6
67.5°	10.6	10.6	10.6	11.7	11.7	12.9	15.3	17.6	21.1	25.8	29.4
70°	8.2	8.2	8.2	9.4	9.4	10.6	11.7	12.9	16.4	20.0	22.3
72.5°	5.9	5.9	7.0	7.0	7.0	8.2	9.4	10.6	12.9	15.3	16.4
75°	4.7	4.7	4.7	4.7	5.9	5.9	7.0	8.2	9.4	10.6	11.7
77.5°	2.3	2.3	3.5	3.5	3.5	4.7	4.7	5.9	7.0	8.2	8.2
80°	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	4.7	5.9	5.9
82.5°	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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: P212804

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	993.8	997.4	997.4	993.8	984.4	992.7	1000.9	992.7	1003.2	984.4	984.4
5°	993.8	996.2	995.0	990.3	980.9	988.0	993.8	985.6	993.8	976.2	975.0
7.5°	996.2	993.8	991.5	985.6	973.9	978.6	984.4	975.0	983.3	964.5	962.1
10°	991.5	988.0	983.3	975.0	962.1	965.6	969.2	960.9	966.8	948.0	946.8
12.5°	991.5	985.6	978.6	969.2	955.1	957.4	960.9	950.4	955.1	937.4	935.1
15°	993.8	983.3	975.0	964.5	949.2	950.4	952.7	941.0	945.7	926.9	925.7
17.5°	985.6	973.9	965.6	952.7	936.3	937.4	937.4	925.7	929.2	910.4	909.3
20°	968.0	953.9	944.5	932.7	915.1	915.1	915.1	903.4	905.7	889.3	886.9
22.5°	943.3	928.0	918.7	906.9	890.5	889.3	888.1	878.7	878.7	863.4	859.9
25°	910.4	896.3	886.9	876.4	859.9	857.6	857.6	849.3	848.2	834.1	831.7
27.5°	872.8	856.4	848.2	838.8	823.5	821.1	820.0	815.3	812.9	797.7	796.5
30°	822.3	808.2	801.2	793.0	778.9	776.5	775.3	770.6	769.5	754.2	754.2
32.5°	768.3	750.7	746.0	737.7	727.2	726.0	727.2	721.3	716.6	706.0	703.7
35°	703.7	686.1	682.5	679.0	670.8	668.4	667.3	666.1	660.2	653.2	649.6
37.5°	628.5	613.2	613.2	612.0	606.2	606.2	606.2	603.8	597.9	595.6	588.5
40°	547.4	535.7	536.9	538.0	535.7	536.9	538.0	535.7	531.0	528.6	522.8
42.5°	460.5	454.6	459.3	462.9	462.9	466.4	468.7	468.7	462.9	461.7	457.0
45°	373.6	372.4	381.8	388.8	391.2	397.1	400.6	398.2	398.2	398.2	393.5
47.5°	292.5	297.2	305.4	319.5	324.2	331.3	333.6	337.2	336.0	337.2	333.6
50°	222.0	232.6	243.2	257.3	264.3	272.5	276.1	280.8	280.8	281.9	279.6
52.5°	168.0	176.2	193.8	203.2	211.5	219.7	224.4	229.1	230.3	230.3	227.9
55°	124.5	136.3	148.0	160.9	168.0	176.2	179.7	184.4	184.4	186.8	184.4
57.5°	90.5	102.2	115.1	124.5	132.7	138.6	142.1	145.7	148.0	148.0	146.8
60°	67.0	76.4	86.9	96.3	103.4	109.3	111.6	115.1	116.3	116.3	114.0
62.5°	50.5	59.9	69.3	77.5	82.2	86.9	89.3	91.6	91.6	91.6	90.5
65°	41.1	48.2	55.2	62.3	67.0	70.5	71.7	74.0	72.8	74.0	72.8
67.5°	32.9	37.6	43.5	48.2	51.7	54.0	55.2	57.6	56.4	57.6	56.4
70°	24.7	29.4	32.9	36.4	38.8	41.1	42.3	43.5	42.3	43.5	42.3
72.5°	18.8	21.1	24.7	28.2	29.4	30.5	31.7	31.7	31.7	32.9	31.7
75°	12.9	15.3	17.6	18.8	21.1	22.3	22.3	23.5	23.5	23.5	23.5
77.5°	9.4	10.6	11.7	12.9	14.1	15.3	15.3	16.4	16.4	16.4	16.4
80°	5.9	7.0	7.0	8.2	9.4	9.4	10.6	10.6	10.6	10.6	10.6
82.5°	3.5	4.7	4.7	5.9	5.9	5.9	7.0	7.0	7.0	7.0	7.0
85°	2.3	2.3	2.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	1.2	1.2
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: P212804

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1009.1	1009.1	1009.1	1009.1
2.5°	993.8	988.0	997.4	983.3
5°	983.3	977.4	989.1	971.5
7.5°	970.3	964.5	975.0	957.4
10°	953.9	948.0	957.4	938.6
12.5°	939.8	933.9	944.5	926.9
15°	929.2	923.4	932.7	916.3
17.5°	912.8	905.7	916.3	898.7
20°	889.3	884.6	892.8	875.2
22.5°	862.3	857.6	867.0	849.3
25°	834.1	828.2	837.6	820.0
27.5°	797.7	793.0	802.4	784.7
30°	754.2	749.5	758.9	742.4
32.5°	704.8	700.1	707.2	693.1
35°	648.5	644.9	652.0	636.7
37.5°	587.4	583.8	590.9	575.6
40°	521.6	518.1	523.9	516.9
42.5°	457.0	453.5	459.3	453.5
45°	393.5	391.2	397.1	391.2
47.5°	334.8	332.5	338.3	332.5
50°	278.4	279.6	281.9	279.6
52.5°	227.9	227.9	231.4	227.9
55°	184.4	185.6	186.8	184.4
57.5°	146.8	146.8	148.0	146.8
60°	114.0	115.1	115.1	114.0
62.5°	90.5	90.5	90.5	90.5
65°	71.7	71.7	72.8	71.7
67.5°	56.4	55.2	56.4	55.2
70°	42.3	42.3	42.3	42.3
72.5°	32.9	32.9	31.7	31.7
75°	23.5	24.7	23.5	23.5
77.5°	16.4	16.4	16.4	16.4
80°	10.6	10.6	10.6	10.6
82.5°	7.0	7.0	7.0	7.0
85°	4.7	3.5	3.5	3.5
87.5°	2.3	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)