

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: P212805

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212805
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 EU6B10209040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1689.5 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

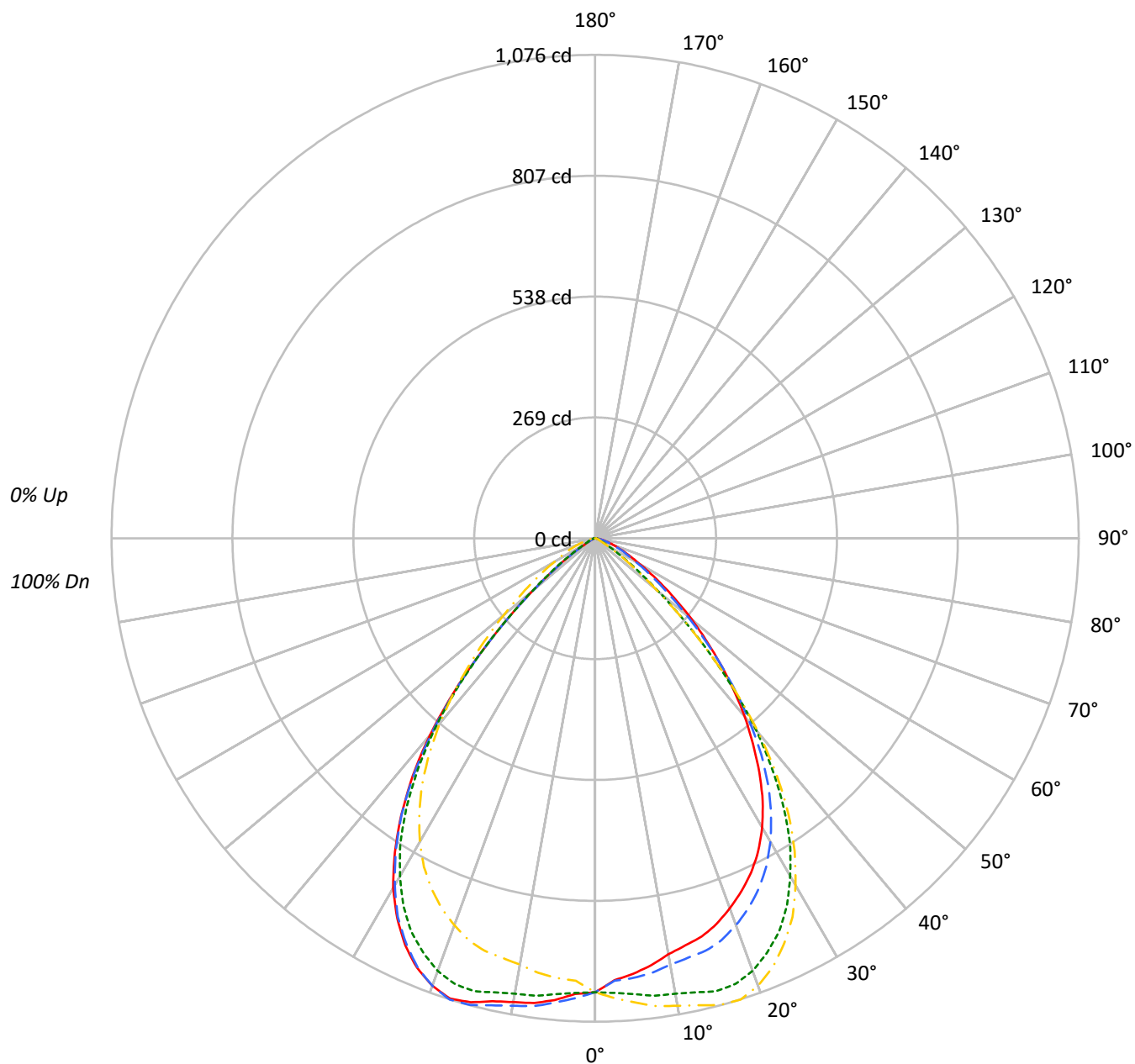
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	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°	55396	55396	55396	55396
5°	53533	56059	56774	56059
10°	52320	57297	58343	57297
15°	52072	59217	60687	59217
20°	51128	59774	61833	59774
25°	49666	58491	60481	58491
30°	47064	54951	56888	54951
35°	42670	48968	50306	48968
40°	37041	39903	40912	39903
45°	30367	27545	27724	27545
50°	23880	15454	15147	15454
55°	17653	7646	6862	7646
60°	12510	3355	2456	3355
65°	9314	2140	1531	2140
70°	6780	1699	1138	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°	96.7	5.7
10°-20°	286.5	17.0
20°-30°	427.6	25.3
30°-40°	439.3	26.0
40°-50°	284.5	16.8
50°-60°	105.8	6.3
60°-70°	34.7	2.1
70°-80°	12.3	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°	810.8	48.0
0°-40°	1250.1	74.0
0°-60°	1640.3	97.1
0°-90°	1689.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1689.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1010	1010	1010	1010	1010	
5°	973	1019	1032	1019	973	92
15°	918	1043	1069	1043	918	258
25°	821	967	1000	967	821	376
35°	638	732	752	732	638	396
45°	392	355	358	355	392	303
55°	185	80	72	80	185	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°	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	984.6	998.7	989.3	995.2	985.8	985.8	1004.6	994.0	1002.2	994.0	985.8
5°	972.8	990.5	978.7	984.6	976.4	977.5	995.2	987.0	995.2	989.3	982.2
7.5°	958.7	976.4	965.8	971.7	963.4	965.8	984.6	976.4	985.8	979.9	975.2
10°	939.9	958.7	949.3	955.2	948.1	949.3	968.1	962.3	970.5	967.0	963.4
12.5°	928.1	945.8	935.2	941.1	936.4	938.7	956.4	951.7	962.3	958.7	956.4
15°	917.5	934.0	924.6	930.5	927.0	928.1	947.0	942.3	954.0	951.7	950.5
17.5°	899.9	917.5	907.0	914.0	910.5	911.7	930.5	927.0	938.7	938.7	937.5
20°	876.4	894.0	885.8	890.5	888.1	890.5	907.0	904.6	916.4	916.4	916.4
22.5°	850.5	868.1	858.7	863.4	861.1	864.6	879.9	879.9	889.3	890.5	891.7
25°	821.1	838.7	829.3	835.2	832.9	835.2	849.3	850.5	858.7	858.7	861.1
27.5°	785.8	803.4	794.0	798.7	797.6	798.7	814.0	816.4	821.1	822.3	824.6
30°	743.5	759.9	750.5	755.2	755.2	755.2	770.5	771.7	776.4	777.6	779.9
32.5°	694.0	708.2	701.1	705.8	704.6	707.0	717.6	722.3	728.2	727.0	728.2
35°	637.6	652.9	645.8	649.3	650.5	654.0	661.1	667.0	668.2	669.3	671.7
37.5°	576.4	591.7	584.6	588.2	589.3	596.4	598.8	604.6	607.0	607.0	607.0
40°	517.6	524.7	518.8	522.3	523.5	529.4	531.7	536.4	538.8	537.6	536.4
42.5°	454.1	460.0	454.1	457.6	457.6	462.3	463.5	469.4	469.4	467.0	463.5
45°	391.7	397.6	391.7	394.1	394.1	398.8	398.8	398.8	401.1	397.6	391.7
47.5°	332.9	338.8	332.9	335.3	334.1	337.6	336.4	337.6	334.1	331.7	324.7
50°	280.0	282.3	280.0	278.8	280.0	282.3	281.1	281.1	276.4	272.9	264.7
52.5°	228.2	231.7	228.2	228.2	228.2	230.6	230.6	229.4	224.7	220.0	211.7
55°	184.7	187.0	185.9	184.7	184.7	187.0	184.7	184.7	180.0	176.5	168.2
57.5°	147.0	148.2	147.0	147.0	147.0	148.2	148.2	145.9	142.3	138.8	132.9
60°	114.1	115.3	115.3	114.1	114.1	116.5	116.5	115.3	111.8	109.4	103.5
62.5°	90.6	90.6	90.6	90.6	90.6	91.8	91.8	91.8	89.4	87.0	82.3
65°	71.8	72.9	71.8	71.8	72.9	74.1	72.9	74.1	71.8	70.6	67.1
67.5°	55.3	56.5	55.3	56.5	56.5	57.6	56.5	57.6	55.3	54.1	51.8
70°	42.3	42.3	42.3	42.3	42.3	43.5	42.3	43.5	42.3	41.2	38.8
72.5°	31.8	31.8	32.9	32.9	31.8	32.9	31.8	31.8	31.8	30.6	29.4
75°	23.5	23.5	24.7	23.5	23.5	23.5	23.5	23.5	22.4	22.4	21.2
77.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	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°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	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	2.4	1.2	1.2	2.4	2.4	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°	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	995.2	998.7	998.7	995.2	1003.4	996.4	1010.5	997.5	1001.1	1012.8	1011.7
5°	991.7	996.4	997.5	995.2	1005.8	999.9	1014.0	1001.1	1007.0	1018.7	1018.7
7.5°	987.0	992.8	995.2	997.5	1007.0	1001.1	1017.5	1004.6	1012.8	1026.9	1025.8
10°	976.4	984.6	989.3	992.8	1002.2	998.7	1016.4	1005.8	1012.8	1029.3	1028.1
12.5°	970.5	979.9	987.0	992.8	1003.4	1001.1	1018.7	1009.3	1018.7	1035.2	1035.2
15°	965.8	976.4	984.6	995.2	1005.8	1003.4	1022.2	1014.0	1023.4	1043.4	1042.2
17.5°	954.0	967.0	975.2	987.0	997.5	996.4	1016.4	1010.5	1021.1	1039.9	1041.1
20°	934.0	945.8	955.2	969.3	981.1	978.7	999.9	994.0	1004.6	1024.6	1025.8
22.5°	908.1	919.9	929.3	944.6	955.2	954.0	975.2	969.3	979.9	998.7	999.9
25°	877.6	888.1	897.6	911.7	923.4	923.4	942.3	936.4	948.1	967.0	967.0
27.5°	839.9	849.3	857.6	874.0	883.4	883.4	901.1	895.2	907.0	923.4	922.3
30°	794.0	802.3	809.3	823.4	831.7	832.9	848.1	842.3	854.0	868.1	868.1
32.5°	738.7	747.0	751.7	769.3	775.2	774.0	785.8	779.9	791.7	807.0	803.4
35°	679.9	683.5	687.0	704.6	707.0	702.3	714.0	708.2	716.4	731.7	729.3
37.5°	612.9	614.1	614.1	629.3	630.5	627.0	634.1	627.0	632.9	647.0	645.8
40°	538.8	537.6	536.4	548.2	547.0	539.9	544.6	538.8	547.0	557.6	551.7
42.5°	463.5	460.0	455.2	461.1	456.4	450.5	452.9	443.5	449.4	457.6	450.5
45°	389.4	382.3	372.9	374.1	368.2	361.1	357.6	348.2	347.0	355.3	349.4
47.5°	320.0	305.8	297.6	292.9	283.5	277.6	270.6	260.0	255.3	260.0	254.1
50°	257.6	243.5	232.9	222.3	212.9	205.9	194.1	187.0	180.0	181.2	176.5
52.5°	203.5	194.1	176.5	168.2	158.8	150.6	140.0	131.8	123.5	123.5	118.8
55°	161.2	148.2	136.5	124.7	115.3	108.2	97.6	89.4	81.2	80.0	75.3
57.5°	124.7	115.3	102.3	90.6	84.7	77.6	67.1	57.6	52.9	49.4	45.9
60°	96.5	87.0	76.5	67.1	60.0	55.3	44.7	37.6	32.9	30.6	27.1
62.5°	77.6	69.4	60.0	50.6	45.9	41.2	32.9	27.1	22.4	20.0	17.6
65°	62.3	55.3	48.2	41.2	37.6	32.9	27.1	22.4	18.8	16.5	14.1
67.5°	48.2	43.5	37.6	32.9	29.4	25.9	21.2	17.6	15.3	12.9	11.8
70°	36.5	32.9	29.4	24.7	22.4	20.0	16.5	12.9	11.8	10.6	9.4
72.5°	28.2	24.7	21.2	18.8	16.5	15.3	12.9	10.6	9.4	8.2	7.1
75°	18.8	17.6	15.3	12.9	11.8	10.6	9.4	8.2	7.1	5.9	5.9
77.5°	12.9	11.8	10.6	9.4	8.2	8.2	7.1	5.9	4.7	4.7	3.5
80°	8.2	7.1	7.1	5.9	5.9	5.9	4.7	3.5	3.5	3.5	2.4
82.5°	5.9	4.7	4.7	3.5	3.5	3.5	3.5	2.4	2.4	2.4	1.2
85°	3.5	2.4	2.4	2.4	2.4	2.4	2.4	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°	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	1002.2	1012.8	1012.8	1022.2	1023.4	1021.1	1010.5	1010.5	1024.6	1032.8	1018.7
5°	1011.7	1022.2	1022.2	1031.7	1036.4	1032.8	1022.2	1023.4	1037.5	1046.9	1032.8
7.5°	1019.9	1030.5	1032.8	1043.4	1046.9	1043.4	1032.8	1035.2	1050.5	1058.7	1044.6
10°	1023.4	1034.0	1035.2	1046.9	1051.7	1046.9	1038.7	1039.9	1056.4	1062.2	1049.3
12.5°	1031.7	1042.2	1042.2	1055.2	1059.9	1056.4	1045.8	1048.1	1064.6	1070.5	1057.5
15°	1039.9	1050.5	1050.5	1064.6	1070.5	1065.8	1057.5	1058.7	1075.2	1081.1	1070.5
17.5°	1039.9	1049.3	1049.3	1064.6	1070.5	1066.9	1057.5	1058.7	1076.4	1081.1	1070.5
20°	1024.6	1035.2	1032.8	1048.1	1054.0	1050.5	1042.2	1042.2	1059.9	1064.6	1054.0
22.5°	999.9	1009.3	1007.0	1021.1	1028.1	1023.4	1016.4	1015.2	1032.8	1037.5	1026.9
25°	965.8	975.2	972.8	987.0	994.0	988.1	979.9	981.1	995.2	1002.2	992.8
27.5°	925.8	931.7	928.1	942.3	949.3	943.4	935.2	936.4	950.5	955.2	948.1
30°	871.7	876.4	872.8	884.6	889.3	885.8	878.7	878.7	891.7	897.6	890.5
32.5°	807.0	810.5	807.0	816.4	825.8	818.7	811.7	811.7	825.8	830.5	822.3
35°	731.7	735.2	732.9	742.3	749.3	739.9	734.0	731.7	750.5	748.2	743.5
37.5°	648.2	650.5	643.5	659.9	663.5	652.9	648.2	645.8	662.3	661.1	656.4
40°	554.1	556.4	551.7	563.5	564.6	556.4	552.9	549.4	565.8	564.6	561.1
42.5°	454.1	455.2	449.4	458.8	461.1	452.9	451.7	447.0	462.3	460.0	458.8
45°	350.6	350.6	345.8	352.9	355.3	348.2	345.8	344.7	355.3	355.3	352.9
47.5°	254.1	250.6	244.7	255.3	256.4	251.7	250.6	247.0	257.6	257.6	255.3
50°	174.1	172.9	171.7	174.1	175.3	169.4	172.9	169.4	175.3	175.3	175.3
52.5°	116.5	115.3	112.9	115.3	115.3	111.8	111.8	110.6	115.3	115.3	112.9
55°	72.9	71.8	70.6	71.8	71.8	68.2	70.6	68.2	70.6	70.6	69.4
57.5°	44.7	42.3	42.3	41.2	41.2	38.8	40.0	40.0	40.0	40.0	40.0
60°	25.9	24.7	23.5	23.5	23.5	22.4	22.4	22.4	22.4	22.4	22.4
62.5°	16.5	16.5	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	11.8	11.8	11.8	11.8	11.8	11.8
67.5°	11.8	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	7.1	8.2	8.2	7.1	7.1
72.5°	7.1	7.1	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	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	1035.2	1023.4	1017.5	1029.3	1034.0	1028.1	1023.4	1015.2	1023.4	1028.1	1034.0
5°	1049.3	1038.7	1034.0	1042.2	1049.3	1043.4	1039.9	1031.7	1039.9	1043.4	1049.3
7.5°	1062.2	1051.7	1045.8	1054.0	1062.2	1054.0	1050.5	1043.4	1050.5	1054.0	1062.2
10°	1066.9	1055.2	1050.5	1057.5	1065.8	1057.5	1052.8	1048.1	1052.8	1057.5	1065.8
12.5°	1075.2	1063.4	1057.5	1063.4	1071.7	1063.4	1058.7	1055.2	1058.7	1063.4	1071.7
15°	1086.9	1076.4	1069.3	1075.2	1085.8	1076.4	1070.5	1069.3	1070.5	1076.4	1085.8
17.5°	1086.9	1078.7	1071.7	1076.4	1086.9	1079.9	1071.7	1074.0	1071.7	1079.9	1086.9
20°	1071.7	1063.4	1057.5	1057.5	1072.8	1063.4	1056.4	1059.9	1056.4	1063.4	1072.8
22.5°	1044.6	1037.5	1031.7	1030.5	1045.8	1037.5	1028.1	1035.2	1028.1	1037.5	1045.8
25°	1009.3	1002.2	997.5	995.2	1010.5	1001.1	992.8	999.9	992.8	1001.1	1010.5
27.5°	963.4	957.5	952.8	949.3	963.4	955.2	947.0	954.0	947.0	955.2	963.4
30°	904.6	901.1	896.4	891.7	905.8	897.6	889.3	898.7	889.3	897.6	905.8
32.5°	836.4	834.0	828.1	823.4	837.6	828.1	822.3	829.3	822.3	828.1	837.6
35°	757.6	754.0	750.5	742.3	757.6	749.3	749.3	751.7	749.3	749.3	757.6
37.5°	669.3	667.0	662.3	655.2	668.2	662.3	659.9	667.0	659.9	662.3	668.2
40°	570.5	569.4	565.8	557.6	571.7	565.8	562.3	571.7	562.3	565.8	571.7
42.5°	467.0	464.7	461.1	460.0	467.0	462.3	465.8	465.8	465.8	462.3	467.0
45°	360.0	357.6	355.3	350.6	358.8	356.4	355.3	357.6	355.3	356.4	358.8
47.5°	261.1	258.8	256.4	252.9	261.1	257.6	257.6	260.0	257.6	257.6	261.1
50°	175.3	176.5	175.3	172.9	175.3	174.1	175.3	177.6	175.3	174.1	175.3
52.5°	116.5	116.5	114.1	112.9	115.3	114.1	117.6	115.3	117.6	114.1	115.3
55°	70.6	71.8	70.6	69.4	70.6	69.4	72.9	71.8	72.9	69.4	70.6
57.5°	40.0	40.0	41.2	40.0	42.3	41.2	41.2	41.2	41.2	41.2	42.3
60°	22.4	22.4	22.4	22.4	22.4	22.4	23.5	22.4	23.5	22.4	22.4
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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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: P212805

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	1029.3	1017.5	1023.4	1035.2	1018.7	1032.8	1024.6	1010.5	1010.5	1021.1	1023.4
5°	1042.2	1034.0	1038.7	1049.3	1032.8	1046.9	1037.5	1023.4	1022.2	1032.8	1036.4
7.5°	1054.0	1045.8	1051.7	1062.2	1044.6	1058.7	1050.5	1035.2	1032.8	1043.4	1046.9
10°	1057.5	1050.5	1055.2	1066.9	1049.3	1062.2	1056.4	1039.9	1038.7	1046.9	1051.7
12.5°	1063.4	1057.5	1063.4	1075.2	1057.5	1070.5	1064.6	1048.1	1045.8	1056.4	1059.9
15°	1075.2	1069.3	1076.4	1086.9	1070.5	1081.1	1075.2	1058.7	1057.5	1065.8	1070.5
17.5°	1076.4	1071.7	1078.7	1086.9	1070.5	1081.1	1076.4	1058.7	1057.5	1066.9	1070.5
20°	1057.5	1057.5	1063.4	1071.7	1054.0	1064.6	1059.9	1042.2	1042.2	1050.5	1054.0
22.5°	1030.5	1031.7	1037.5	1044.6	1026.9	1037.5	1032.8	1015.2	1016.4	1023.4	1028.1
25°	995.2	997.5	1002.2	1009.3	992.8	1002.2	995.2	981.1	979.9	988.1	994.0
27.5°	949.3	952.8	957.5	963.4	948.1	955.2	950.5	936.4	935.2	943.4	949.3
30°	891.7	896.4	901.1	904.6	890.5	897.6	891.7	878.7	878.7	885.8	889.3
32.5°	823.4	828.1	834.0	836.4	822.3	830.5	825.8	811.7	811.7	818.7	825.8
35°	742.3	750.5	754.0	757.6	743.5	748.2	750.5	731.7	734.0	739.9	749.3
37.5°	655.2	662.3	667.0	669.3	656.4	661.1	662.3	645.8	648.2	652.9	663.5
40°	557.6	565.8	569.4	570.5	561.1	564.6	565.8	549.4	552.9	556.4	564.6
42.5°	460.0	461.1	464.7	467.0	458.8	460.0	462.3	447.0	451.7	452.9	461.1
45°	350.6	355.3	357.6	360.0	352.9	355.3	355.3	344.7	345.8	348.2	355.3
47.5°	252.9	256.4	258.8	261.1	255.3	257.6	257.6	247.0	250.6	251.7	256.4
50°	172.9	175.3	176.5	175.3	175.3	175.3	175.3	169.4	172.9	169.4	175.3
52.5°	112.9	114.1	116.5	116.5	112.9	115.3	115.3	110.6	111.8	111.8	115.3
55°	69.4	70.6	71.8	70.6	69.4	70.6	70.6	68.2	70.6	68.2	71.8
57.5°	40.0	41.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0	38.8	41.2
60°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	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°	7.1	7.1	7.1	7.1	7.1	7.1	8.2	8.2	7.1	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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
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: P212805

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	1022.2	1012.8	1012.8	1002.2	1011.7	1012.8	1001.1	997.5	1010.5	996.4	1003.4
5°	1031.7	1022.2	1022.2	1011.7	1018.7	1018.7	1007.0	1001.1	1014.0	999.9	1005.8
7.5°	1043.4	1032.8	1030.5	1019.9	1025.8	1026.9	1012.8	1004.6	1017.5	1001.1	1007.0
10°	1046.9	1035.2	1034.0	1023.4	1028.1	1029.3	1012.8	1005.8	1016.4	998.7	1002.2
12.5°	1055.2	1042.2	1042.2	1031.7	1035.2	1035.2	1018.7	1009.3	1018.7	1001.1	1003.4
15°	1064.6	1050.5	1050.5	1039.9	1042.2	1043.4	1023.4	1014.0	1022.2	1003.4	1005.8
17.5°	1064.6	1049.3	1049.3	1039.9	1041.1	1039.9	1021.1	1010.5	1016.4	996.4	997.5
20°	1048.1	1032.8	1035.2	1024.6	1025.8	1024.6	1004.6	994.0	999.9	978.7	981.1
22.5°	1021.1	1007.0	1009.3	999.9	999.9	998.7	979.9	969.3	975.2	954.0	955.2
25°	987.0	972.8	975.2	965.8	967.0	967.0	948.1	936.4	942.3	923.4	923.4
27.5°	942.3	928.1	931.7	925.8	922.3	923.4	907.0	895.2	901.1	883.4	883.4
30°	884.6	872.8	876.4	871.7	868.1	868.1	854.0	842.3	848.1	832.9	831.7
32.5°	816.4	807.0	810.5	807.0	803.4	807.0	791.7	779.9	785.8	774.0	775.2
35°	742.3	732.9	735.2	731.7	729.3	731.7	716.4	708.2	714.0	702.3	707.0
37.5°	659.9	643.5	650.5	648.2	645.8	647.0	632.9	627.0	634.1	627.0	630.5
40°	563.5	551.7	556.4	554.1	551.7	557.6	547.0	538.8	544.6	539.9	547.0
42.5°	458.8	449.4	455.2	454.1	450.5	457.6	449.4	443.5	452.9	450.5	456.4
45°	352.9	345.8	350.6	350.6	349.4	355.3	347.0	348.2	357.6	361.1	368.2
47.5°	255.3	244.7	250.6	254.1	254.1	260.0	255.3	260.0	270.6	277.6	283.5
50°	174.1	171.7	172.9	174.1	176.5	181.2	180.0	187.0	194.1	205.9	212.9
52.5°	115.3	112.9	115.3	116.5	118.8	123.5	123.5	131.8	140.0	150.6	158.8
55°	71.8	70.6	71.8	72.9	75.3	80.0	81.2	89.4	97.6	108.2	115.3
57.5°	41.2	42.3	42.3	44.7	45.9	49.4	52.9	57.6	67.1	77.6	84.7
60°	23.5	23.5	24.7	25.9	27.1	30.6	32.9	37.6	44.7	55.3	60.0
62.5°	15.3	15.3	16.5	16.5	17.6	20.0	22.4	27.1	32.9	41.2	45.9
65°	12.9	12.9	12.9	14.1	14.1	16.5	18.8	22.4	27.1	32.9	37.6
67.5°	10.6	10.6	10.6	11.8	11.8	12.9	15.3	17.6	21.2	25.9	29.4
70°	8.2	8.2	8.2	9.4	9.4	10.6	11.8	12.9	16.5	20.0	22.4
72.5°	5.9	5.9	7.1	7.1	7.1	8.2	9.4	10.6	12.9	15.3	16.5
75°	4.7	4.7	4.7	4.7	5.9	5.9	7.1	8.2	9.4	10.6	11.8
77.5°	2.4	2.4	3.5	3.5	3.5	4.7	4.7	5.9	7.1	8.2	8.2
80°	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	4.7	5.9	5.9
82.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
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: P212805

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	995.2	998.7	998.7	995.2	985.8	994.0	1002.2	994.0	1004.6	985.8	985.8
5°	995.2	997.5	996.4	991.7	982.2	989.3	995.2	987.0	995.2	977.5	976.4
7.5°	997.5	995.2	992.8	987.0	975.2	979.9	985.8	976.4	984.6	965.8	963.4
10°	992.8	989.3	984.6	976.4	963.4	967.0	970.5	962.3	968.1	949.3	948.1
12.5°	992.8	987.0	979.9	970.5	956.4	958.7	962.3	951.7	956.4	938.7	936.4
15°	995.2	984.6	976.4	965.8	950.5	951.7	954.0	942.3	947.0	928.1	927.0
17.5°	987.0	975.2	967.0	954.0	937.5	938.7	938.7	927.0	930.5	911.7	910.5
20°	969.3	955.2	945.8	934.0	916.4	916.4	916.4	904.6	907.0	890.5	888.1
22.5°	944.6	929.3	919.9	908.1	891.7	890.5	889.3	879.9	879.9	864.6	861.1
25°	911.7	897.6	888.1	877.6	861.1	858.7	858.7	850.5	849.3	835.2	832.9
27.5°	874.0	857.6	849.3	839.9	824.6	822.3	821.1	816.4	814.0	798.7	797.6
30°	823.4	809.3	802.3	794.0	779.9	777.6	776.4	771.7	770.5	755.2	755.2
32.5°	769.3	751.7	747.0	738.7	728.2	727.0	728.2	722.3	717.6	707.0	704.6
35°	704.6	687.0	683.5	679.9	671.7	669.3	668.2	667.0	661.1	654.0	650.5
37.5°	629.3	614.1	614.1	612.9	607.0	607.0	607.0	604.6	598.8	596.4	589.3
40°	548.2	536.4	537.6	538.8	536.4	537.6	538.8	536.4	531.7	529.4	523.5
42.5°	461.1	455.2	460.0	463.5	463.5	467.0	469.4	469.4	463.5	462.3	457.6
45°	374.1	372.9	382.3	389.4	391.7	397.6	401.1	398.8	398.8	398.8	394.1
47.5°	292.9	297.6	305.8	320.0	324.7	331.7	334.1	337.6	336.4	337.6	334.1
50°	222.3	232.9	243.5	257.6	264.7	272.9	276.4	281.1	281.1	282.3	280.0
52.5°	168.2	176.5	194.1	203.5	211.7	220.0	224.7	229.4	230.6	230.6	228.2
55°	124.7	136.5	148.2	161.2	168.2	176.5	180.0	184.7	184.7	187.0	184.7
57.5°	90.6	102.3	115.3	124.7	132.9	138.8	142.3	145.9	148.2	148.2	147.0
60°	67.1	76.5	87.0	96.5	103.5	109.4	111.8	115.3	116.5	116.5	114.1
62.5°	50.6	60.0	69.4	77.6	82.3	87.0	89.4	91.8	91.8	91.8	90.6
65°	41.2	48.2	55.3	62.3	67.1	70.6	71.8	74.1	72.9	74.1	72.9
67.5°	32.9	37.6	43.5	48.2	51.8	54.1	55.3	57.6	56.5	57.6	56.5
70°	24.7	29.4	32.9	36.5	38.8	41.2	42.3	43.5	42.3	43.5	42.3
72.5°	18.8	21.2	24.7	28.2	29.4	30.6	31.8	31.8	31.8	32.9	31.8
75°	12.9	15.3	17.6	18.8	21.2	22.4	22.4	23.5	23.5	23.5	23.5
77.5°	9.4	10.6	11.8	12.9	14.1	15.3	15.3	16.5	16.5	16.5	16.5
80°	5.9	7.1	7.1	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	7.1	7.1	7.1	7.1	7.1
85°	2.4	2.4	2.4	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	2.4	2.4	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: P212805

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1010.5	1010.5	1010.5	1010.5
2.5°	995.2	989.3	998.7	984.6
5°	984.6	978.7	990.5	972.8
7.5°	971.7	965.8	976.4	958.7
10°	955.2	949.3	958.7	939.9
12.5°	941.1	935.2	945.8	928.1
15°	930.5	924.6	934.0	917.5
17.5°	914.0	907.0	917.5	899.9
20°	890.5	885.8	894.0	876.4
22.5°	863.4	858.7	868.1	850.5
25°	835.2	829.3	838.7	821.1
27.5°	798.7	794.0	803.4	785.8
30°	755.2	750.5	759.9	743.5
32.5°	705.8	701.1	708.2	694.0
35°	649.3	645.8	652.9	637.6
37.5°	588.2	584.6	591.7	576.4
40°	522.3	518.8	524.7	517.6
42.5°	457.6	454.1	460.0	454.1
45°	394.1	391.7	397.6	391.7
47.5°	335.3	332.9	338.8	332.9
50°	278.8	280.0	282.3	280.0
52.5°	228.2	228.2	231.7	228.2
55°	184.7	185.9	187.0	184.7
57.5°	147.0	147.0	148.2	147.0
60°	114.1	115.3	115.3	114.1
62.5°	90.6	90.6	90.6	90.6
65°	71.8	71.8	72.9	71.8
67.5°	56.5	55.3	56.5	55.3
70°	42.3	42.3	42.3	42.3
72.5°	32.9	32.9	31.8	31.8
75°	23.5	24.7	23.5	23.5
77.5°	16.5	16.5	16.5	16.5
80°	10.6	10.6	10.6	10.6
82.5°	7.1	7.1	7.1	7.1
85°	4.7	3.5	3.5	3.5
87.5°	2.4	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)