

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: P212803

Luminaire Tested: **LD6B20D010 EU6B10209030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212803
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 EU6B10209030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1663.4 lumens
Efficiency: N/A
Efficacy: 80.0 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

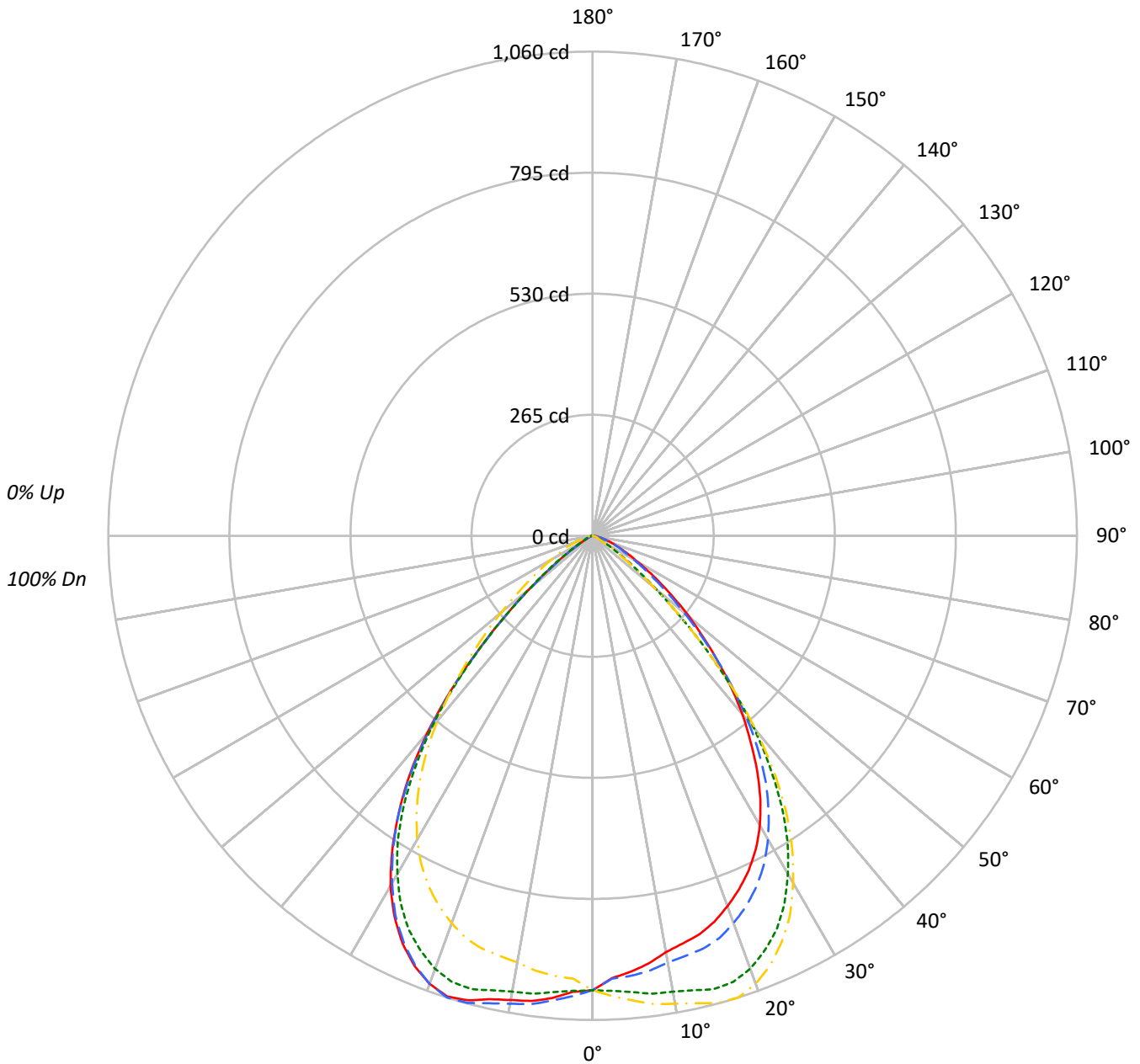
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	54541	54541	54541	54541
5°	52713	55195	55899	55195
10°	51513	56412	57447	56412
15°	51272	58303	59751	58303
20°	50340	58852	60882	58852
25°	48898	57590	59550	57590
30°	46336	54110	56015	54110
35°	42014	48211	49530	48211
40°	36468	39288	40283	39288
45°	29902	27119	27297	27119
50°	23513	15215	14916	15215
55°	17376	7531	6757	7531
60°	12313	3300	2412	3300
65°	9171	2101	1505	2101
70°	6684	1667	1106	1667
75°	4914	1228	741	1228
80°	3283	1105	379	1105
85°	2201	755	755	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	5.7
10°-20°	282.1	17.0
20°-30°	421.0	25.3
30°-40°	432.5	26.0
40°-50°	280.1	16.8
50°-60°	104.1	6.3
60°-70°	34.2	2.1
70°-80°	12.1	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°	798.3	48.0
0°-40°	1230.8	74.0
0°-60°	1615.0	97.1
0°-90°	1663.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1663.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	995	995	995	995	995	
5°	958	1003	1016	1003	958	91
15°	903	1027	1053	1027	903	254
25°	808	952	984	952	808	371
35°	628	720	740	720	628	390
45°	386	350	352	350	386	298
55°	182	79	71	79	182	166
65°	71	16	12	16	71	72
75°	23	6	4	6	23	25
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°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	969.4	983.3	974.1	979.9	970.6	970.6	989.1	978.7	986.8	978.7	970.6
5°	957.9	975.2	963.6	969.4	961.3	962.5	979.9	971.7	979.9	974.1	967.1
7.5°	944.0	961.3	950.9	956.7	948.6	950.9	969.4	961.3	970.6	964.8	960.2
10°	925.4	944.0	934.7	940.5	933.5	934.7	953.2	947.4	955.5	952.1	948.6
12.5°	913.8	931.2	920.8	926.6	921.9	924.3	941.6	937.0	947.4	944.0	941.6
15°	903.4	919.6	910.4	916.2	912.7	913.8	932.4	927.7	939.3	937.0	935.8
17.5°	886.0	903.4	893.0	899.9	896.5	897.6	916.2	912.7	924.3	924.3	923.1
20°	862.9	880.2	872.1	876.8	874.5	876.8	893.0	890.7	902.3	902.3	902.3
22.5°	837.4	854.8	845.5	850.1	847.8	851.3	866.4	866.4	875.6	876.8	877.9
25°	808.4	825.8	816.5	822.3	820.0	822.3	836.2	837.4	845.5	845.5	847.8
27.5°	773.7	791.1	781.8	786.4	785.3	786.4	801.5	803.8	808.4	809.6	811.9
30°	732.0	748.2	738.9	743.6	743.6	743.6	758.6	759.8	764.4	765.6	767.9
32.5°	683.4	697.3	690.3	694.9	693.8	696.1	706.5	711.1	716.9	715.8	716.9
35°	627.8	642.8	635.9	639.3	640.5	644.0	650.9	656.7	657.9	659.0	661.3
37.5°	567.5	582.6	575.6	579.1	580.3	587.2	589.5	595.3	597.6	597.6	597.6
40°	509.6	516.6	510.8	514.3	515.4	521.2	523.5	528.1	530.5	529.3	528.1
42.5°	447.1	452.9	447.1	450.5	450.5	455.2	456.3	462.1	462.1	459.8	456.3
45°	385.7	391.5	385.7	388.0	388.0	392.6	392.6	392.6	395.0	391.5	385.7
47.5°	327.8	333.6	327.8	330.1	328.9	332.4	331.3	332.4	328.9	326.6	319.7
50°	275.7	278.0	275.7	274.5	275.7	278.0	276.8	276.8	272.2	268.7	260.6
52.5°	224.7	228.2	224.7	224.7	224.7	227.0	227.0	225.9	221.2	216.6	208.5
55°	181.8	184.2	183.0	181.8	181.8	184.2	181.8	181.8	177.2	173.7	165.6
57.5°	144.8	145.9	144.8	144.8	144.8	145.9	145.9	143.6	140.1	136.7	130.9
60°	112.3	113.5	113.5	112.3	112.3	114.7	114.7	113.5	110.0	107.7	101.9
62.5°	89.2	89.2	89.2	89.2	89.2	90.3	90.3	90.3	88.0	85.7	81.1
65°	70.7	71.8	70.7	70.7	71.8	73.0	71.8	73.0	70.7	69.5	66.0
67.5°	54.4	55.6	54.4	55.6	55.6	56.8	55.6	56.8	54.4	53.3	51.0
70°	41.7	41.7	41.7	41.7	41.7	42.9	41.7	42.9	41.7	40.5	38.2
72.5°	31.3	31.3	32.4	32.4	31.3	32.4	31.3	31.3	31.3	30.1	29.0
75°	23.2	23.2	24.3	23.2	23.2	23.2	23.2	23.2	22.0	22.0	20.8
77.5°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.1	15.1	13.9
80°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	9.3	9.3
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.8	5.8
85°	3.5	3.5	3.5	4.6	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°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	979.9	983.3	983.3	979.9	988.0	981.0	994.9	982.2	985.6	997.2	996.1
5°	976.4	981.0	982.2	979.9	990.3	984.5	998.4	985.6	991.4	1003.0	1003.0
7.5°	971.7	977.5	979.9	982.2	991.4	985.6	1001.9	989.1	997.2	1011.1	1010.0
10°	961.3	969.4	974.1	977.5	986.8	983.3	1000.7	990.3	997.2	1013.4	1012.3
12.5°	955.5	964.8	971.7	977.5	988.0	985.6	1003.0	993.8	1003.0	1019.2	1019.2
15°	950.9	961.3	969.4	979.9	990.3	988.0	1006.5	998.4	1007.7	1027.3	1026.2
17.5°	939.3	952.1	960.2	971.7	982.2	981.0	1000.7	994.9	1005.3	1023.9	1025.0
20°	919.6	931.2	940.5	954.4	966.0	963.6	984.5	978.7	989.1	1008.8	1010.0
22.5°	894.1	905.7	915.0	930.1	940.5	939.3	960.2	954.4	964.8	983.3	984.5
25°	864.0	874.5	883.7	897.6	909.2	909.2	927.7	921.9	933.5	952.1	952.1
27.5°	827.0	836.2	844.3	860.6	869.8	869.8	887.2	881.4	893.0	909.2	908.0
30°	781.8	789.9	796.9	810.8	818.9	820.0	835.1	829.3	840.9	854.8	854.8
32.5°	727.4	735.5	740.1	757.5	763.3	762.1	773.7	767.9	779.5	794.5	791.1
35°	669.5	672.9	676.4	693.8	696.1	691.5	703.0	697.3	705.4	720.4	718.1
37.5°	603.4	604.6	604.6	619.6	620.8	617.3	624.3	617.3	623.1	637.0	635.9
40°	530.5	529.3	528.1	539.7	538.6	531.6	536.3	530.5	538.6	549.0	543.2
42.5°	456.3	452.9	448.2	454.0	449.4	443.6	445.9	436.7	442.4	450.5	443.6
45°	383.4	376.4	367.2	368.3	362.5	355.6	352.1	342.8	341.7	349.8	344.0
47.5°	315.0	301.1	293.0	288.4	279.1	273.3	266.4	256.0	251.3	256.0	250.2
50°	253.7	239.8	229.3	218.9	209.6	202.7	191.1	184.2	177.2	178.4	173.7
52.5°	200.4	191.1	173.7	165.6	156.4	148.3	137.8	129.7	121.6	121.6	117.0
55°	158.7	145.9	134.4	122.8	113.5	106.6	96.1	88.0	79.9	78.8	74.1
57.5°	122.8	113.5	100.8	89.2	83.4	76.4	66.0	56.8	52.1	48.6	45.2
60°	95.0	85.7	75.3	66.0	59.1	54.4	44.0	37.1	32.4	30.1	26.6
62.5°	76.4	68.3	59.1	49.8	45.2	40.5	32.4	26.6	22.0	19.7	17.4
65°	61.4	54.4	47.5	40.5	37.1	32.4	26.6	22.0	18.5	16.2	13.9
67.5°	47.5	42.9	37.1	32.4	29.0	25.5	20.8	17.4	15.1	12.7	11.6
70°	35.9	32.4	29.0	24.3	22.0	19.7	16.2	12.7	11.6	10.4	9.3
72.5°	27.8	24.3	20.8	18.5	16.2	15.1	12.7	10.4	9.3	8.1	6.9
75°	18.5	17.4	15.1	12.7	11.6	10.4	9.3	8.1	6.9	5.8	5.8
77.5°	12.7	11.6	10.4	9.3	8.1	8.1	6.9	5.8	4.6	4.6	3.5
80°	8.1	6.9	6.9	5.8	5.8	5.8	4.6	3.5	3.5	3.5	2.3
82.5°	5.8	4.6	4.6	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°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	986.8	997.2	997.2	1006.5	1007.7	1005.3	994.9	994.9	1008.8	1016.9	1003.0
5°	996.1	1006.5	1006.5	1015.8	1020.4	1016.9	1006.5	1007.7	1021.6	1030.8	1016.9
7.5°	1004.2	1014.6	1016.9	1027.3	1030.8	1027.3	1016.9	1019.2	1034.3	1042.4	1028.5
10°	1007.7	1018.1	1019.2	1030.8	1035.5	1030.8	1022.7	1023.9	1040.1	1045.9	1033.1
12.5°	1015.8	1026.2	1026.2	1038.9	1043.6	1040.1	1029.7	1032.0	1048.2	1054.0	1041.2
15°	1023.9	1034.3	1034.3	1048.2	1054.0	1049.4	1041.2	1042.4	1058.6	1064.4	1054.0
17.5°	1023.9	1033.1	1033.1	1048.2	1054.0	1050.5	1041.2	1042.4	1059.8	1064.4	1054.0
20°	1008.8	1019.2	1016.9	1032.0	1037.8	1034.3	1026.2	1026.2	1043.6	1048.2	1037.8
22.5°	984.5	993.8	991.4	1005.3	1012.3	1007.7	1000.7	999.5	1016.9	1021.6	1011.1
25°	950.9	960.2	957.9	971.7	978.7	972.9	964.8	966.0	979.9	986.8	977.5
27.5°	911.5	917.3	913.8	927.7	934.7	928.9	920.8	921.9	935.8	940.5	933.5
30°	858.2	862.9	859.4	871.0	875.6	872.1	865.2	865.2	877.9	883.7	876.8
32.5°	794.5	798.0	794.5	803.8	813.1	806.1	799.2	799.2	813.1	817.7	809.6
35°	720.4	723.9	721.6	730.8	737.8	728.5	722.7	720.4	738.9	736.6	732.0
37.5°	638.2	640.5	633.5	649.8	653.2	642.8	638.2	635.9	652.1	650.9	646.3
40°	545.5	547.8	543.2	554.8	555.9	547.8	544.4	540.9	557.1	555.9	552.5
42.5°	447.1	448.2	442.4	451.7	454.0	445.9	444.8	440.1	455.2	452.9	451.7
45°	345.2	345.2	340.5	347.5	349.8	342.8	340.5	339.4	349.8	349.8	347.5
47.5°	250.2	246.7	240.9	251.3	252.5	247.9	246.7	243.2	253.7	253.7	251.3
50°	171.4	170.3	169.1	171.4	172.6	166.8	170.3	166.8	172.6	172.6	172.6
52.5°	114.7	113.5	111.2	113.5	113.5	110.0	110.0	108.9	113.5	113.5	111.2
55°	71.8	70.7	69.5	70.7	70.7	67.2	69.5	67.2	69.5	69.5	68.3
57.5°	44.0	41.7	41.7	40.5	40.5	38.2	39.4	39.4	39.4	39.4	39.4
60°	25.5	24.3	23.2	23.2	23.2	22.0	22.0	22.0	22.0	22.0	22.0
62.5°	16.2	16.2	15.1	15.1	15.1	15.1	15.1	13.9	15.1	15.1	15.1
65°	13.9	12.7	12.7	12.7	12.7	11.6	11.6	11.6	11.6	11.6	11.6
67.5°	11.6	10.4	10.4	10.4	10.4	9.3	9.3	9.3	9.3	9.3	9.3
70°	9.3	8.1	8.1	8.1	8.1	8.1	6.9	8.1	8.1	6.9	6.9
72.5°	6.9	6.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
75°	4.6	4.6	4.6	4.6	4.6	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	1019.2	1007.7	1001.9	1013.4	1018.1	1012.3	1007.7	999.5	1007.7	1012.3	1018.1
5°	1033.1	1022.7	1018.1	1026.2	1033.1	1027.3	1023.9	1015.8	1023.9	1027.3	1033.1
7.5°	1045.9	1035.5	1029.7	1037.8	1045.9	1037.8	1034.3	1027.3	1034.3	1037.8	1045.9
10°	1050.5	1038.9	1034.3	1041.2	1049.4	1041.2	1036.6	1032.0	1036.6	1041.2	1049.4
12.5°	1058.6	1047.0	1041.2	1047.0	1055.1	1047.0	1042.4	1038.9	1042.4	1047.0	1055.1
15°	1070.2	1059.8	1052.8	1058.6	1069.0	1059.8	1054.0	1052.8	1054.0	1059.8	1069.0
17.5°	1070.2	1062.1	1055.1	1059.8	1070.2	1063.2	1055.1	1057.5	1055.1	1063.2	1070.2
20°	1055.1	1047.0	1041.2	1041.2	1056.3	1047.0	1040.1	1043.6	1040.1	1047.0	1056.3
22.5°	1028.5	1021.6	1015.8	1014.6	1029.7	1021.6	1012.3	1019.2	1012.3	1021.6	1029.7
25°	993.8	986.8	982.2	979.9	994.9	985.6	977.5	984.5	977.5	985.6	994.9
27.5°	948.6	942.8	938.2	934.7	948.6	940.5	932.4	939.3	932.4	940.5	948.6
30°	890.7	887.2	882.6	877.9	891.8	883.7	875.6	884.9	875.6	883.7	891.8
32.5°	823.5	821.2	815.4	810.8	824.7	815.4	809.6	816.5	809.6	815.4	824.7
35°	745.9	742.4	738.9	730.8	745.9	737.8	737.8	740.1	737.8	737.8	745.9
37.5°	659.0	656.7	652.1	645.1	657.9	652.1	649.8	656.7	649.8	652.1	657.9
40°	561.7	560.6	557.1	549.0	562.9	557.1	553.6	562.9	553.6	557.1	562.9
42.5°	459.8	457.5	454.0	452.9	459.8	455.2	458.7	458.7	458.7	455.2	459.8
45°	354.4	352.1	349.8	345.2	353.3	350.9	349.8	352.1	349.8	350.9	353.3
47.5°	257.1	254.8	252.5	249.0	257.1	253.7	253.7	256.0	253.7	253.7	257.1
50°	172.6	173.7	172.6	170.3	172.6	171.4	172.6	174.9	172.6	171.4	172.6
52.5°	114.7	114.7	112.3	111.2	113.5	112.3	115.8	113.5	115.8	112.3	113.5
55°	69.5	70.7	69.5	68.3	69.5	68.3	71.8	70.7	71.8	68.3	69.5
57.5°	39.4	39.4	40.5	39.4	41.7	40.5	40.5	40.5	40.5	40.5	41.7
60°	22.0	22.0	22.0	22.0	22.0	22.0	23.2	22.0	23.2	22.0	22.0
62.5°	15.1	15.1	15.1	13.9	15.1	13.9	15.1	15.1	15.1	13.9	15.1
65°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
67.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
70°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
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: P212803

CATALOG NUMBER: LD6B20D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	1013.4	1001.9	1007.7	1019.2	1003.0	1016.9	1008.8	994.9	994.9	1005.3	1007.7
5°	1026.2	1018.1	1022.7	1033.1	1016.9	1030.8	1021.6	1007.7	1006.5	1016.9	1020.4
7.5°	1037.8	1029.7	1035.5	1045.9	1028.5	1042.4	1034.3	1019.2	1016.9	1027.3	1030.8
10°	1041.2	1034.3	1038.9	1050.5	1033.1	1045.9	1040.1	1023.9	1022.7	1030.8	1035.5
12.5°	1047.0	1041.2	1047.0	1058.6	1041.2	1054.0	1048.2	1032.0	1029.7	1040.1	1043.6
15°	1058.6	1052.8	1059.8	1070.2	1054.0	1064.4	1058.6	1042.4	1041.2	1049.4	1054.0
17.5°	1059.8	1055.1	1062.1	1070.2	1054.0	1064.4	1059.8	1042.4	1041.2	1050.5	1054.0
20°	1041.2	1041.2	1047.0	1055.1	1037.8	1048.2	1043.6	1026.2	1026.2	1034.3	1037.8
22.5°	1014.6	1015.8	1021.6	1028.5	1011.1	1021.6	1016.9	999.5	1000.7	1007.7	1012.3
25°	979.9	982.2	986.8	993.8	977.5	986.8	979.9	966.0	964.8	972.9	978.7
27.5°	934.7	938.2	942.8	948.6	933.5	940.5	935.8	921.9	920.8	928.9	934.7
30°	877.9	882.6	887.2	890.7	876.8	883.7	877.9	865.2	865.2	872.1	875.6
32.5°	810.8	815.4	821.2	823.5	809.6	817.7	813.1	799.2	799.2	806.1	813.1
35°	730.8	738.9	742.4	745.9	732.0	736.6	738.9	720.4	722.7	728.5	737.8
37.5°	645.1	652.1	656.7	659.0	646.3	650.9	652.1	635.9	638.2	642.8	653.2
40°	549.0	557.1	560.6	561.7	552.5	555.9	557.1	540.9	544.4	547.8	555.9
42.5°	452.9	454.0	457.5	459.8	451.7	452.9	455.2	440.1	444.8	445.9	454.0
45°	345.2	349.8	352.1	354.4	347.5	349.8	349.8	339.4	340.5	342.8	349.8
47.5°	249.0	252.5	254.8	257.1	251.3	253.7	253.7	243.2	246.7	247.9	252.5
50°	170.3	172.6	173.7	172.6	172.6	172.6	172.6	166.8	170.3	166.8	172.6
52.5°	111.2	112.3	114.7	114.7	111.2	113.5	113.5	108.9	110.0	110.0	113.5
55°	68.3	69.5	70.7	69.5	68.3	69.5	69.5	67.2	69.5	67.2	70.7
57.5°	39.4	40.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	38.2	40.5
60°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.2
62.5°	13.9	15.1	15.1	15.1	15.1	15.1	15.1	13.9	15.1	15.1	15.1
65°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	12.7
67.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	10.4
70°	6.9	6.9	6.9	6.9	6.9	6.9	8.1	8.1	6.9	8.1	8.1
72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.6
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: P212803

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	1006.5	997.2	997.2	986.8	996.1	997.2	985.6	982.2	994.9	981.0	988.0
5°	1015.8	1006.5	1006.5	996.1	1003.0	1003.0	991.4	985.6	998.4	984.5	990.3
7.5°	1027.3	1016.9	1014.6	1004.2	1010.0	1011.1	997.2	989.1	1001.9	985.6	991.4
10°	1030.8	1019.2	1018.1	1007.7	1012.3	1013.4	997.2	990.3	1000.7	983.3	986.8
12.5°	1038.9	1026.2	1026.2	1015.8	1019.2	1019.2	1003.0	993.8	1003.0	985.6	988.0
15°	1048.2	1034.3	1034.3	1023.9	1026.2	1027.3	1007.7	998.4	1006.5	988.0	990.3
17.5°	1048.2	1033.1	1033.1	1023.9	1025.0	1023.9	1005.3	994.9	1000.7	981.0	982.2
20°	1032.0	1016.9	1019.2	1008.8	1010.0	1008.8	989.1	978.7	984.5	963.6	966.0
22.5°	1005.3	991.4	993.8	984.5	984.5	983.3	964.8	954.4	960.2	939.3	940.5
25°	971.7	957.9	960.2	950.9	952.1	952.1	933.5	921.9	927.7	909.2	909.2
27.5°	927.7	913.8	917.3	911.5	908.0	909.2	893.0	881.4	887.2	869.8	869.8
30°	871.0	859.4	862.9	858.2	854.8	854.8	840.9	829.3	835.1	820.0	818.9
32.5°	803.8	794.5	798.0	794.5	791.1	794.5	779.5	767.9	773.7	762.1	763.3
35°	730.8	721.6	723.9	720.4	718.1	720.4	705.4	697.3	703.0	691.5	696.1
37.5°	649.8	633.5	640.5	638.2	635.9	637.0	623.1	617.3	624.3	617.3	620.8
40°	554.8	543.2	547.8	545.5	543.2	549.0	538.6	530.5	536.3	531.6	538.6
42.5°	451.7	442.4	448.2	447.1	443.6	450.5	442.4	436.7	445.9	443.6	449.4
45°	347.5	340.5	345.2	345.2	344.0	349.8	341.7	342.8	352.1	355.6	362.5
47.5°	251.3	240.9	246.7	250.2	250.2	256.0	251.3	256.0	266.4	273.3	279.1
50°	171.4	169.1	170.3	171.4	173.7	178.4	177.2	184.2	191.1	202.7	209.6
52.5°	113.5	111.2	113.5	114.7	117.0	121.6	121.6	129.7	137.8	148.3	156.4
55°	70.7	69.5	70.7	71.8	74.1	78.8	79.9	88.0	96.1	106.6	113.5
57.5°	40.5	41.7	41.7	44.0	45.2	48.6	52.1	56.8	66.0	76.4	83.4
60°	23.2	23.2	24.3	25.5	26.6	30.1	32.4	37.1	44.0	54.4	59.1
62.5°	15.1	15.1	16.2	16.2	17.4	19.7	22.0	26.6	32.4	40.5	45.2
65°	12.7	12.7	12.7	13.9	13.9	16.2	18.5	22.0	26.6	32.4	37.1
67.5°	10.4	10.4	10.4	11.6	11.6	12.7	15.1	17.4	20.8	25.5	29.0
70°	8.1	8.1	8.1	9.3	9.3	10.4	11.6	12.7	16.2	19.7	22.0
72.5°	5.8	5.8	6.9	6.9	6.9	8.1	9.3	10.4	12.7	15.1	16.2
75°	4.6	4.6	4.6	4.6	5.8	5.8	6.9	8.1	9.3	10.4	11.6
77.5°	2.3	2.3	3.5	3.5	3.5	4.6	4.6	5.8	6.9	8.1	8.1
80°	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	4.6	5.8	5.8
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: P212803

CATALOG NUMBER: LD6B20D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	979.9	983.3	983.3	979.9	970.6	978.7	986.8	978.7	989.1	970.6	970.6
5°	979.9	982.2	981.0	976.4	967.1	974.1	979.9	971.7	979.9	962.5	961.3
7.5°	982.2	979.9	977.5	971.7	960.2	964.8	970.6	961.3	969.4	950.9	948.6
10°	977.5	974.1	969.4	961.3	948.6	952.1	955.5	947.4	953.2	934.7	933.5
12.5°	977.5	971.7	964.8	955.5	941.6	944.0	947.4	937.0	941.6	924.3	921.9
15°	979.9	969.4	961.3	950.9	935.8	937.0	939.3	927.7	932.4	913.8	912.7
17.5°	971.7	960.2	952.1	939.3	923.1	924.3	924.3	912.7	916.2	897.6	896.5
20°	954.4	940.5	931.2	919.6	902.3	902.3	902.3	890.7	893.0	876.8	874.5
22.5°	930.1	915.0	905.7	894.1	877.9	876.8	875.6	866.4	866.4	851.3	847.8
25°	897.6	883.7	874.5	864.0	847.8	845.5	845.5	837.4	836.2	822.3	820.0
27.5°	860.6	844.3	836.2	827.0	811.9	809.6	808.4	803.8	801.5	786.4	785.3
30°	810.8	796.9	789.9	781.8	767.9	765.6	764.4	759.8	758.6	743.6	743.6
32.5°	757.5	740.1	735.5	727.4	716.9	715.8	716.9	711.1	706.5	696.1	693.8
35°	693.8	676.4	672.9	669.5	661.3	659.0	657.9	656.7	650.9	644.0	640.5
37.5°	619.6	604.6	604.6	603.4	597.6	597.6	597.6	595.3	589.5	587.2	580.3
40°	539.7	528.1	529.3	530.5	528.1	529.3	530.5	528.1	523.5	521.2	515.4
42.5°	454.0	448.2	452.9	456.3	456.3	459.8	462.1	462.1	456.3	455.2	450.5
45°	368.3	367.2	376.4	383.4	385.7	391.5	395.0	392.6	392.6	392.6	388.0
47.5°	288.4	293.0	301.1	315.0	319.7	326.6	328.9	332.4	331.3	332.4	328.9
50°	218.9	229.3	239.8	253.7	260.6	268.7	272.2	276.8	276.8	278.0	275.7
52.5°	165.6	173.7	191.1	200.4	208.5	216.6	221.2	225.9	227.0	227.0	224.7
55°	122.8	134.4	145.9	158.7	165.6	173.7	177.2	181.8	181.8	184.2	181.8
57.5°	89.2	100.8	113.5	122.8	130.9	136.7	140.1	143.6	145.9	145.9	144.8
60°	66.0	75.3	85.7	95.0	101.9	107.7	110.0	113.5	114.7	114.7	112.3
62.5°	49.8	59.1	68.3	76.4	81.1	85.7	88.0	90.3	90.3	90.3	89.2
65°	40.5	47.5	54.4	61.4	66.0	69.5	70.7	73.0	71.8	73.0	71.8
67.5°	32.4	37.1	42.9	47.5	51.0	53.3	54.4	56.8	55.6	56.8	55.6
70°	24.3	29.0	32.4	35.9	38.2	40.5	41.7	42.9	41.7	42.9	41.7
72.5°	18.5	20.8	24.3	27.8	29.0	30.1	31.3	31.3	31.3	32.4	31.3
75°	12.7	15.1	17.4	18.5	20.8	22.0	22.0	23.2	23.2	23.2	23.2
77.5°	9.3	10.4	11.6	12.7	13.9	15.1	15.1	16.2	16.2	16.2	16.2
80°	5.8	6.9	6.9	8.1	9.3	9.3	10.4	10.4	10.4	10.4	10.4
82.5°	3.5	4.6	4.6	5.8	5.8	5.8	6.9	6.9	6.9	6.9	6.9
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: P212803

CATALOG NUMBER: LD6B20D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	994.9	994.9	994.9	994.9
2.5°	979.9	974.1	983.3	969.4
5°	969.4	963.6	975.2	957.9
7.5°	956.7	950.9	961.3	944.0
10°	940.5	934.7	944.0	925.4
12.5°	926.6	920.8	931.2	913.8
15°	916.2	910.4	919.6	903.4
17.5°	899.9	893.0	903.4	886.0
20°	876.8	872.1	880.2	862.9
22.5°	850.1	845.5	854.8	837.4
25°	822.3	816.5	825.8	808.4
27.5°	786.4	781.8	791.1	773.7
30°	743.6	738.9	748.2	732.0
32.5°	694.9	690.3	697.3	683.4
35°	639.3	635.9	642.8	627.8
37.5°	579.1	575.6	582.6	567.5
40°	514.3	510.8	516.6	509.6
42.5°	450.5	447.1	452.9	447.1
45°	388.0	385.7	391.5	385.7
47.5°	330.1	327.8	333.6	327.8
50°	274.5	275.7	278.0	275.7
52.5°	224.7	224.7	228.2	224.7
55°	181.8	183.0	184.2	181.8
57.5°	144.8	144.8	145.9	144.8
60°	112.3	113.5	113.5	112.3
62.5°	89.2	89.2	89.2	89.2
65°	70.7	70.7	71.8	70.7
67.5°	55.6	54.4	55.6	54.4
70°	41.7	41.7	41.7	41.7
72.5°	32.4	32.4	31.3	31.3
75°	23.2	24.3	23.2	23.2
77.5°	16.2	16.2	16.2	16.2
80°	10.4	10.4	10.4	10.4
82.5°	6.9	6.9	6.9	6.9
85°	4.6	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)