

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: P212806

Luminaire Tested: **LD6B20D010 EU6B10209050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212806
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 EU6B10209050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1697.1 lumens
Efficiency: N/A
Efficacy: 81.6 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

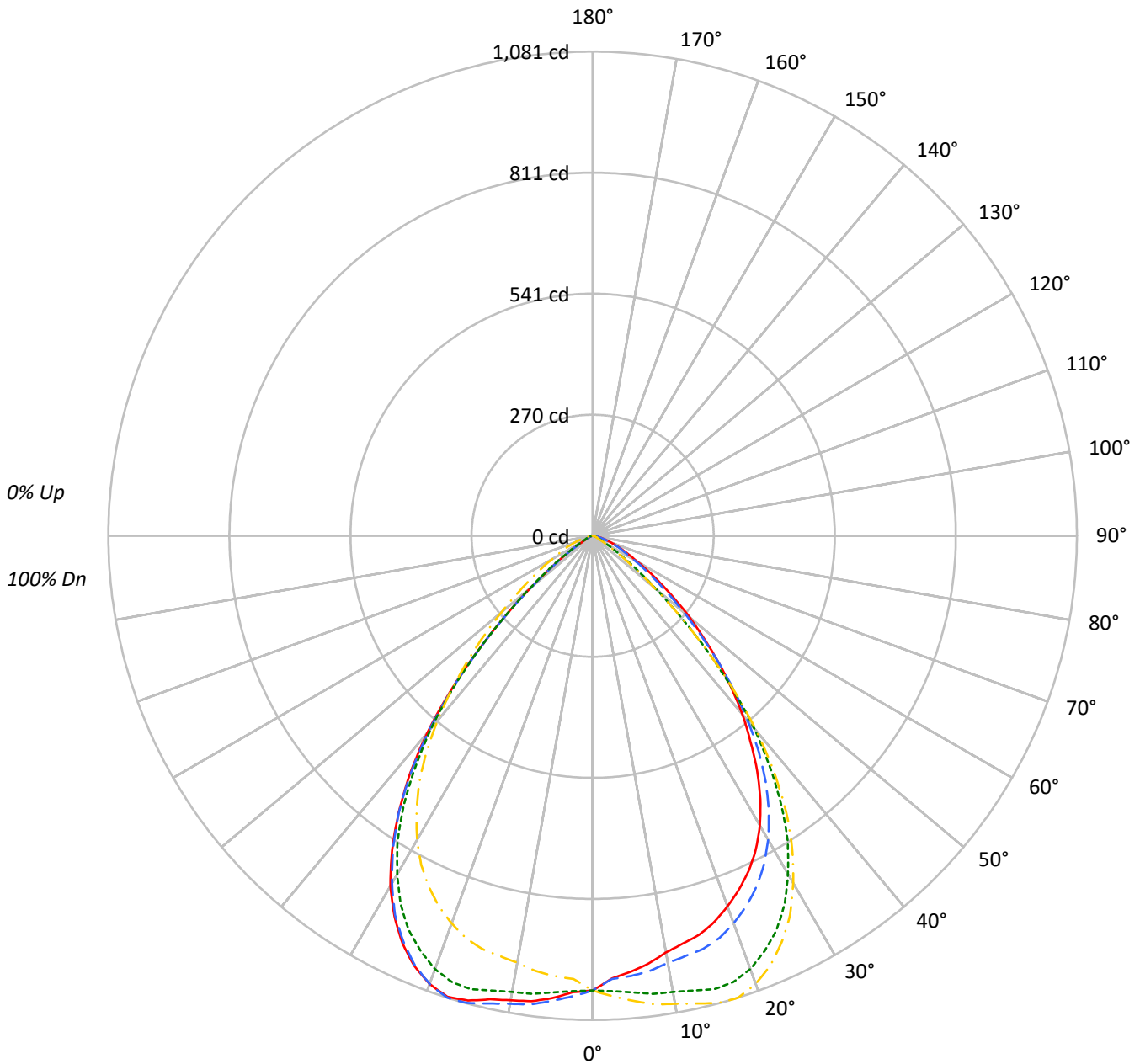
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	55648	55648	55648	55648
5°	53775	56312	57027	56312
10°	52560	57558	58611	57558
15°	52310	59484	60959	59484
20°	51355	60042	62113	60042
25°	49890	58751	60754	58751
30°	47273	55205	57148	55205
35°	42864	49188	50534	49188
40°	37205	40082	41098	40082
45°	30507	27670	27848	27670
50°	23982	15522	15215	15522
55°	17729	7684	6891	7684
60°	12565	3366	2467	3366
65°	9352	2140	1531	2140
70°	6812	1699	1138	1699
75°	4999	1250	741	1250
80°	3346	1105	379	1105
85°	2201	755	755	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	5.7
10°-20°	287.8	17.0
20°-30°	429.5	25.3
30°-40°	441.3	26.0
40°-50°	285.7	16.8
50°-60°	106.3	6.3
60°-70°	34.9	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°	814.5	48.0
0°-40°	1255.7	74.0
0°-60°	1647.7	97.1
0°-90°	1697.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1015	1015	1015	1015	1015	
5°	977	1023	1036	1023	977	92
15°	922	1048	1074	1048	922	259
25°	825	971	1004	971	825	378
35°	640	735	755	735	640	398
45°	394	357	359	357	394	304
55°	186	80	72	80	186	169
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°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	989.1	1003.2	993.8	999.7	990.2	990.2	1009.2	998.5	1006.8	998.5	990.2
5°	977.2	995.0	983.2	989.1	980.8	982.0	999.7	991.4	999.7	993.8	986.7
7.5°	963.1	980.8	970.2	976.1	967.8	970.2	989.1	980.8	990.2	984.3	979.6
10°	944.2	963.1	953.6	959.5	952.4	953.6	972.5	966.6	974.9	971.3	967.8
12.5°	932.3	950.1	939.4	945.3	940.6	943.0	960.7	956.0	966.6	963.1	960.7
15°	921.7	938.3	928.8	934.7	931.2	932.3	951.2	946.5	958.3	956.0	954.8
17.5°	904.0	921.7	911.1	918.2	914.6	915.8	934.7	931.2	943.0	943.0	941.8
20°	880.3	898.1	889.8	894.5	892.2	894.5	911.1	908.7	920.5	920.5	920.5
22.5°	854.4	872.1	862.6	867.3	865.0	868.5	883.9	883.9	893.3	894.5	895.7
25°	824.8	842.5	833.1	839.0	836.6	839.0	853.2	854.4	862.6	862.6	865.0
27.5°	789.4	807.1	797.6	802.4	801.2	802.4	817.7	820.1	824.8	826.0	828.4
30°	746.8	763.4	753.9	758.6	758.6	758.6	774.0	775.2	779.9	781.1	783.5
32.5°	697.2	711.4	704.3	709.0	707.8	710.2	720.8	725.5	731.5	730.3	731.5
35°	640.5	655.8	648.7	652.3	653.5	657.0	664.1	670.0	671.2	672.4	674.7
37.5°	579.0	594.4	587.3	590.8	592.0	599.1	601.5	607.4	609.7	609.7	609.7
40°	519.9	527.0	521.1	524.7	525.8	531.8	534.1	538.8	541.2	540.0	538.8
42.5°	456.1	462.0	456.1	459.7	459.7	464.4	465.6	471.5	471.5	469.1	465.6
45°	393.5	399.4	393.5	395.9	395.9	400.6	400.6	400.6	403.0	399.4	393.5
47.5°	334.4	340.3	334.4	336.8	335.6	339.1	338.0	339.1	335.6	333.2	326.1
50°	281.2	283.6	281.2	280.1	281.2	283.6	282.4	282.4	277.7	274.1	265.9
52.5°	229.2	232.8	229.2	229.2	229.2	231.6	231.6	230.4	225.7	221.0	212.7
55°	185.5	187.9	186.7	185.5	185.5	187.9	185.5	185.5	180.8	177.3	169.0
57.5°	147.7	148.9	147.7	147.7	147.7	148.9	148.9	146.5	143.0	139.4	133.5
60°	114.6	115.8	115.8	114.6	114.6	117.0	117.0	115.8	112.3	109.9	104.0
62.5°	91.0	91.0	91.0	91.0	91.0	92.2	92.2	92.2	89.8	87.4	82.7
65°	72.1	73.3	72.1	72.1	73.3	74.4	73.3	74.4	72.1	70.9	67.4
67.5°	55.5	56.7	55.5	56.7	56.7	57.9	56.7	57.9	55.5	54.4	52.0
70°	42.5	42.5	42.5	42.5	42.5	43.7	42.5	43.7	42.5	41.4	39.0
72.5°	31.9	31.9	33.1	33.1	31.9	33.1	31.9	31.9	31.9	30.7	29.5
75°	23.6	23.6	24.8	23.6	23.6	23.6	23.6	23.6	22.5	22.5	21.3
77.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	15.4	15.4	14.2
80°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	9.5	9.5
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°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	999.7	1003.2	1003.2	999.7	1008.0	1000.9	1015.1	1002.1	1005.6	1017.4	1016.2
5°	996.2	1000.9	1002.1	999.7	1010.3	1004.4	1018.6	1005.6	1011.5	1023.3	1023.3
7.5°	991.4	997.3	999.7	1002.1	1011.5	1005.6	1022.1	1009.2	1017.4	1031.6	1030.4
10°	980.8	989.1	993.8	997.3	1006.8	1003.2	1021.0	1010.3	1017.4	1034.0	1032.8
12.5°	974.9	984.3	991.4	997.3	1008.0	1005.6	1023.3	1013.9	1023.3	1039.9	1039.9
15°	970.2	980.8	989.1	999.7	1010.3	1008.0	1026.9	1018.6	1028.1	1048.1	1047.0
17.5°	958.3	971.3	979.6	991.4	1002.1	1000.9	1021.0	1015.1	1025.7	1044.6	1045.8
20°	938.3	950.1	959.5	973.7	985.5	983.2	1004.4	998.5	1009.2	1029.2	1030.4
22.5°	912.3	924.1	933.5	948.9	959.5	958.3	979.6	973.7	984.3	1003.2	1004.4
25°	881.5	892.2	901.6	915.8	927.6	927.6	946.5	940.6	952.4	971.3	971.3
27.5°	843.7	853.2	861.4	878.0	887.4	887.4	905.2	899.3	911.1	927.6	926.4
30°	797.6	805.9	813.0	827.2	835.4	836.6	852.0	846.1	857.9	872.1	872.1
32.5°	742.1	750.4	755.1	772.8	778.7	777.5	789.4	783.5	795.3	810.6	807.1
35°	683.0	686.6	690.1	707.8	710.2	705.5	717.3	711.4	719.6	735.0	732.6
37.5°	615.7	616.8	616.8	632.2	633.4	629.8	636.9	629.8	635.7	649.9	648.7
40°	541.2	540.0	538.8	550.7	549.5	542.4	547.1	541.2	549.5	560.1	554.2
42.5°	465.6	462.0	457.3	463.2	458.5	452.6	454.9	445.5	451.4	459.7	452.6
45°	391.1	384.0	374.6	375.8	369.9	362.8	359.2	349.8	348.6	356.9	351.0
47.5°	321.4	307.2	299.0	294.2	284.8	278.9	271.8	261.2	256.4	261.2	255.2
50°	258.8	244.6	234.0	223.3	213.9	206.8	195.0	187.9	180.8	182.0	177.3
52.5°	204.4	195.0	177.3	169.0	159.5	151.3	140.6	132.3	124.1	124.1	119.3
55°	161.9	148.9	137.1	125.3	115.8	108.7	98.1	89.8	81.5	80.4	75.6
57.5°	125.3	115.8	102.8	91.0	85.1	78.0	67.4	57.9	53.2	49.6	46.1
60°	96.9	87.4	76.8	67.4	60.3	55.5	44.9	37.8	33.1	30.7	27.2
62.5°	78.0	69.7	60.3	50.8	46.1	41.4	33.1	27.2	22.5	20.1	17.7
65°	62.6	55.5	48.4	41.4	37.8	33.1	27.2	22.5	18.9	16.5	14.2
67.5°	48.4	43.7	37.8	33.1	29.5	26.0	21.3	17.7	15.4	13.0	11.8
70°	36.6	33.1	29.5	24.8	22.5	20.1	16.5	13.0	11.8	10.6	9.5
72.5°	28.4	24.8	21.3	18.9	16.5	15.4	13.0	10.6	9.5	8.3	7.1
75°	18.9	17.7	15.4	13.0	11.8	10.6	9.5	8.3	7.1	5.9	5.9
77.5°	13.0	11.8	10.6	9.5	8.3	8.3	7.1	5.9	4.7	4.7	3.5
80°	8.3	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°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1006.8	1017.4	1017.4	1026.9	1028.1	1025.7	1015.1	1015.1	1029.2	1037.5	1023.3
5°	1016.2	1026.9	1026.9	1036.3	1041.1	1037.5	1026.9	1028.1	1042.2	1051.7	1037.5
7.5°	1024.5	1035.1	1037.5	1048.1	1051.7	1048.1	1037.5	1039.9	1055.2	1063.5	1049.3
10°	1028.1	1038.7	1039.9	1051.7	1056.4	1051.7	1043.4	1044.6	1061.1	1067.1	1054.1
12.5°	1036.3	1047.0	1047.0	1060.0	1064.7	1061.1	1050.5	1052.9	1069.4	1075.3	1062.3
15°	1044.6	1055.2	1055.2	1069.4	1075.3	1070.6	1062.3	1063.5	1080.1	1086.0	1075.3
17.5°	1044.6	1054.1	1054.1	1069.4	1075.3	1071.8	1062.3	1063.5	1081.2	1086.0	1075.3
20°	1029.2	1039.9	1037.5	1052.9	1058.8	1055.2	1047.0	1047.0	1064.7	1069.4	1058.8
22.5°	1004.4	1013.9	1011.5	1025.7	1032.8	1028.1	1021.0	1019.8	1037.5	1042.2	1031.6
25°	970.2	979.6	977.2	991.4	998.5	992.6	984.3	985.5	999.7	1006.8	997.3
27.5°	930.0	935.9	932.3	946.5	953.6	947.7	939.4	940.6	954.8	959.5	952.4
30°	875.6	880.3	876.8	888.6	893.3	889.8	882.7	882.7	895.7	901.6	894.5
32.5°	810.6	814.2	810.6	820.1	829.5	822.4	815.4	815.4	829.5	834.3	826.0
35°	735.0	738.5	736.2	745.6	752.7	743.3	737.4	735.0	753.9	751.5	746.8
37.5°	651.1	653.5	646.4	662.9	666.5	655.8	651.1	648.7	665.3	664.1	659.4
40°	556.6	558.9	554.2	566.0	567.2	558.9	555.4	551.8	568.4	567.2	563.7
42.5°	456.1	457.3	451.4	460.9	463.2	454.9	453.8	449.0	464.4	462.0	460.9
45°	352.1	352.1	347.4	354.5	356.9	349.8	347.4	346.2	356.9	356.9	354.5
47.5°	255.2	251.7	245.8	256.4	257.6	252.9	251.7	248.2	258.8	258.8	256.4
50°	174.9	173.7	172.5	174.9	176.1	170.2	173.7	170.2	176.1	176.1	176.1
52.5°	117.0	115.8	113.4	115.8	115.8	112.3	112.3	111.1	115.8	115.8	113.4
55°	73.3	72.1	70.9	72.1	72.1	68.5	70.9	68.5	70.9	70.9	69.7
57.5°	44.9	42.5	42.5	41.4	41.4	39.0	40.2	40.2	40.2	40.2	40.2
60°	26.0	24.8	23.6	23.6	23.6	22.5	22.5	22.5	22.5	22.5	22.5
62.5°	16.5	16.5	15.4	15.4	15.4	15.4	15.4	14.2	15.4	15.4	15.4
65°	14.2	13.0	13.0	13.0	13.0	11.8	11.8	11.8	11.8	11.8	11.8
67.5°	11.8	10.6	10.6	10.6	10.6	9.5	9.5	9.5	9.5	9.5	9.5
70°	9.5	8.3	8.3	8.3	8.3	8.3	7.1	8.3	8.3	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



TEST NUMBER: P212806

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1039.9	1028.1	1022.1	1034.0	1038.7	1032.8	1028.1	1019.8	1028.1	1032.8	1038.7
5°	1054.1	1043.4	1038.7	1047.0	1054.1	1048.1	1044.6	1036.3	1044.6	1048.1	1054.1
7.5°	1067.1	1056.4	1050.5	1058.8	1067.1	1058.8	1055.2	1048.1	1055.2	1058.8	1067.1
10°	1071.8	1060.0	1055.2	1062.3	1070.6	1062.3	1057.6	1052.9	1057.6	1062.3	1070.6
12.5°	1080.1	1068.2	1062.3	1068.2	1076.5	1068.2	1063.5	1060.0	1063.5	1068.2	1076.5
15°	1091.9	1081.2	1074.1	1080.1	1090.7	1081.2	1075.3	1074.1	1075.3	1081.2	1090.7
17.5°	1091.9	1083.6	1076.5	1081.2	1091.9	1084.8	1076.5	1078.9	1076.5	1084.8	1091.9
20°	1076.5	1068.2	1062.3	1062.3	1077.7	1068.2	1061.1	1064.7	1061.1	1068.2	1077.7
22.5°	1049.3	1042.2	1036.3	1035.1	1050.5	1042.2	1032.8	1039.9	1032.8	1042.2	1050.5
25°	1013.9	1006.8	1002.1	999.7	1015.1	1005.6	997.3	1004.4	997.3	1005.6	1015.1
27.5°	967.8	961.9	957.2	953.6	967.8	959.5	951.2	958.3	951.2	959.5	967.8
30°	908.7	905.2	900.4	895.7	909.9	901.6	893.3	902.8	893.3	901.6	909.9
32.5°	840.2	837.8	831.9	827.2	841.4	831.9	826.0	833.1	826.0	831.9	841.4
35°	761.0	757.5	753.9	745.6	761.0	752.7	752.7	755.1	752.7	752.7	761.0
37.5°	672.4	670.0	665.3	658.2	671.2	665.3	662.9	670.0	662.9	665.3	671.2
40°	573.1	571.9	568.4	560.1	574.3	568.4	564.8	574.3	564.8	568.4	574.3
42.5°	469.1	466.8	463.2	462.0	469.1	464.4	467.9	467.9	467.9	464.4	469.1
45°	361.6	359.2	356.9	352.1	360.4	358.0	356.9	359.2	356.9	358.0	360.4
47.5°	262.3	260.0	257.6	254.1	262.3	258.8	258.8	261.2	258.8	258.8	262.3
50°	176.1	177.3	176.1	173.7	176.1	174.9	176.1	178.4	176.1	174.9	176.1
52.5°	117.0	117.0	114.6	113.4	115.8	114.6	118.2	115.8	118.2	114.6	115.8
55°	70.9	72.1	70.9	69.7	70.9	69.7	73.3	72.1	73.3	69.7	70.9
57.5°	40.2	40.2	41.4	40.2	42.5	41.4	41.4	41.4	41.4	41.4	42.5
60°	22.5	22.5	22.5	22.5	22.5	22.5	23.6	22.5	23.6	22.5	22.5
62.5°	15.4	15.4	15.4	14.2	15.4	14.2	15.4	15.4	15.4	14.2	15.4
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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
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: P212806

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1034.0	1022.1	1028.1	1039.9	1023.3	1037.5	1029.2	1015.1	1015.1	1025.7	1028.1
5°	1047.0	1038.7	1043.4	1054.1	1037.5	1051.7	1042.2	1028.1	1026.9	1037.5	1041.1
7.5°	1058.8	1050.5	1056.4	1067.1	1049.3	1063.5	1055.2	1039.9	1037.5	1048.1	1051.7
10°	1062.3	1055.2	1060.0	1071.8	1054.1	1067.1	1061.1	1044.6	1043.4	1051.7	1056.4
12.5°	1068.2	1062.3	1068.2	1080.1	1062.3	1075.3	1069.4	1052.9	1050.5	1061.1	1064.7
15°	1080.1	1074.1	1081.2	1091.9	1075.3	1086.0	1080.1	1063.5	1062.3	1070.6	1075.3
17.5°	1081.2	1076.5	1083.6	1091.9	1075.3	1086.0	1081.2	1063.5	1062.3	1071.8	1075.3
20°	1062.3	1062.3	1068.2	1076.5	1058.8	1069.4	1064.7	1047.0	1047.0	1055.2	1058.8
22.5°	1035.1	1036.3	1042.2	1049.3	1031.6	1042.2	1037.5	1019.8	1021.0	1028.1	1032.8
25°	999.7	1002.1	1006.8	1013.9	997.3	1006.8	999.7	985.5	984.3	992.6	998.5
27.5°	953.6	957.2	961.9	967.8	952.4	959.5	954.8	940.6	939.4	947.7	953.6
30°	895.7	900.4	905.2	908.7	894.5	901.6	895.7	882.7	882.7	889.8	893.3
32.5°	827.2	831.9	837.8	840.2	826.0	834.3	829.5	815.4	815.4	822.4	829.5
35°	745.6	753.9	757.5	761.0	746.8	751.5	753.9	735.0	737.4	743.3	752.7
37.5°	658.2	665.3	670.0	672.4	659.4	664.1	665.3	648.7	651.1	655.8	666.5
40°	560.1	568.4	571.9	573.1	563.7	567.2	568.4	551.8	555.4	558.9	567.2
42.5°	462.0	463.2	466.8	469.1	460.9	462.0	464.4	449.0	453.8	454.9	463.2
45°	352.1	356.9	359.2	361.6	354.5	356.9	356.9	346.2	347.4	349.8	356.9
47.5°	254.1	257.6	260.0	262.3	256.4	258.8	258.8	248.2	251.7	252.9	257.6
50°	173.7	176.1	177.3	176.1	176.1	176.1	176.1	170.2	173.7	170.2	176.1
52.5°	113.4	114.6	117.0	117.0	113.4	115.8	115.8	111.1	112.3	112.3	115.8
55°	69.7	70.9	72.1	70.9	69.7	70.9	70.9	68.5	70.9	68.5	72.1
57.5°	40.2	41.4	40.2	40.2	40.2	40.2	40.2	40.2	40.2	39.0	41.4
60°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	23.6
62.5°	14.2	15.4	15.4	15.4	15.4	15.4	15.4	14.2	15.4	15.4	15.4
65°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	13.0
67.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.6
70°	7.1	7.1	7.1	7.1	7.1	7.1	8.3	8.3	7.1	8.3	8.3
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: P212806

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1026.9	1017.4	1017.4	1006.8	1016.2	1017.4	1005.6	1002.1	1015.1	1000.9	1008.0
5°	1036.3	1026.9	1026.9	1016.2	1023.3	1023.3	1011.5	1005.6	1018.6	1004.4	1010.3
7.5°	1048.1	1037.5	1035.1	1024.5	1030.4	1031.6	1017.4	1009.2	1022.1	1005.6	1011.5
10°	1051.7	1039.9	1038.7	1028.1	1032.8	1034.0	1017.4	1010.3	1021.0	1003.2	1006.8
12.5°	1060.0	1047.0	1047.0	1036.3	1039.9	1039.9	1023.3	1013.9	1023.3	1005.6	1008.0
15°	1069.4	1055.2	1055.2	1044.6	1047.0	1048.1	1028.1	1018.6	1026.9	1008.0	1010.3
17.5°	1069.4	1054.1	1054.1	1044.6	1045.8	1044.6	1025.7	1015.1	1021.0	1000.9	1002.1
20°	1052.9	1037.5	1039.9	1029.2	1030.4	1029.2	1009.2	998.5	1004.4	983.2	985.5
22.5°	1025.7	1011.5	1013.9	1004.4	1004.4	1003.2	984.3	973.7	979.6	958.3	959.5
25°	991.4	977.2	979.6	970.2	971.3	971.3	952.4	940.6	946.5	927.6	927.6
27.5°	946.5	932.3	935.9	930.0	926.4	927.6	911.1	899.3	905.2	887.4	887.4
30°	888.6	876.8	880.3	875.6	872.1	872.1	857.9	846.1	852.0	836.6	835.4
32.5°	820.1	810.6	814.2	810.6	807.1	810.6	795.3	783.5	789.4	777.5	778.7
35°	745.6	736.2	738.5	735.0	732.6	735.0	719.6	711.4	717.3	705.5	710.2
37.5°	662.9	646.4	653.5	651.1	648.7	649.9	635.7	629.8	636.9	629.8	633.4
40°	566.0	554.2	558.9	556.6	554.2	560.1	549.5	541.2	547.1	542.4	549.5
42.5°	460.9	451.4	457.3	456.1	452.6	459.7	451.4	445.5	454.9	452.6	458.5
45°	354.5	347.4	352.1	352.1	351.0	356.9	348.6	349.8	359.2	362.8	369.9
47.5°	256.4	245.8	251.7	255.2	255.2	261.2	256.4	261.2	271.8	278.9	284.8
50°	174.9	172.5	173.7	174.9	177.3	182.0	180.8	187.9	195.0	206.8	213.9
52.5°	115.8	113.4	115.8	117.0	119.3	124.1	124.1	132.3	140.6	151.3	159.5
55°	72.1	70.9	72.1	73.3	75.6	80.4	81.5	89.8	98.1	108.7	115.8
57.5°	41.4	42.5	42.5	44.9	46.1	49.6	53.2	57.9	67.4	78.0	85.1
60°	23.6	23.6	24.8	26.0	27.2	30.7	33.1	37.8	44.9	55.5	60.3
62.5°	15.4	15.4	16.5	16.5	17.7	20.1	22.5	27.2	33.1	41.4	46.1
65°	13.0	13.0	13.0	14.2	14.2	16.5	18.9	22.5	27.2	33.1	37.8
67.5°	10.6	10.6	10.6	11.8	11.8	13.0	15.4	17.7	21.3	26.0	29.5
70°	8.3	8.3	8.3	9.5	9.5	10.6	11.8	13.0	16.5	20.1	22.5
72.5°	5.9	5.9	7.1	7.1	7.1	8.3	9.5	10.6	13.0	15.4	16.5
75°	4.7	4.7	4.7	4.7	5.9	5.9	7.1	8.3	9.5	10.6	11.8
77.5°	2.4	2.4	3.5	3.5	3.5	4.7	4.7	5.9	7.1	8.3	8.3
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: P212806

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	999.7	1003.2	1003.2	999.7	990.2	998.5	1006.8	998.5	1009.2	990.2	990.2
5°	999.7	1002.1	1000.9	996.2	986.7	993.8	999.7	991.4	999.7	982.0	980.8
7.5°	1002.1	999.7	997.3	991.4	979.6	984.3	990.2	980.8	989.1	970.2	967.8
10°	997.3	993.8	989.1	980.8	967.8	971.3	974.9	966.6	972.5	953.6	952.4
12.5°	997.3	991.4	984.3	974.9	960.7	963.1	966.6	956.0	960.7	943.0	940.6
15°	999.7	989.1	980.8	970.2	954.8	956.0	958.3	946.5	951.2	932.3	931.2
17.5°	991.4	979.6	971.3	958.3	941.8	943.0	943.0	931.2	934.7	915.8	914.6
20°	973.7	959.5	950.1	938.3	920.5	920.5	920.5	908.7	911.1	894.5	892.2
22.5°	948.9	933.5	924.1	912.3	895.7	894.5	893.3	883.9	883.9	868.5	865.0
25°	915.8	901.6	892.2	881.5	865.0	862.6	862.6	854.4	853.2	839.0	836.6
27.5°	878.0	861.4	853.2	843.7	828.4	826.0	824.8	820.1	817.7	802.4	801.2
30°	827.2	813.0	805.9	797.6	783.5	781.1	779.9	775.2	774.0	758.6	758.6
32.5°	772.8	755.1	750.4	742.1	731.5	730.3	731.5	725.5	720.8	710.2	707.8
35°	707.8	690.1	686.6	683.0	674.7	672.4	671.2	670.0	664.1	657.0	653.5
37.5°	632.2	616.8	616.8	615.7	609.7	609.7	609.7	607.4	601.5	599.1	592.0
40°	550.7	538.8	540.0	541.2	538.8	540.0	541.2	538.8	534.1	531.8	525.8
42.5°	463.2	457.3	462.0	465.6	465.6	469.1	471.5	471.5	465.6	464.4	459.7
45°	375.8	374.6	384.0	391.1	393.5	399.4	403.0	400.6	400.6	400.6	395.9
47.5°	294.2	299.0	307.2	321.4	326.1	333.2	335.6	339.1	338.0	339.1	335.6
50°	223.3	234.0	244.6	258.8	265.9	274.1	277.7	282.4	282.4	283.6	281.2
52.5°	169.0	177.3	195.0	204.4	212.7	221.0	225.7	230.4	231.6	231.6	229.2
55°	125.3	137.1	148.9	161.9	169.0	177.3	180.8	185.5	185.5	187.9	185.5
57.5°	91.0	102.8	115.8	125.3	133.5	139.4	143.0	146.5	148.9	148.9	147.7
60°	67.4	76.8	87.4	96.9	104.0	109.9	112.3	115.8	117.0	117.0	114.6
62.5°	50.8	60.3	69.7	78.0	82.7	87.4	89.8	92.2	92.2	92.2	91.0
65°	41.4	48.4	55.5	62.6	67.4	70.9	72.1	74.4	73.3	74.4	73.3
67.5°	33.1	37.8	43.7	48.4	52.0	54.4	55.5	57.9	56.7	57.9	56.7
70°	24.8	29.5	33.1	36.6	39.0	41.4	42.5	43.7	42.5	43.7	42.5
72.5°	18.9	21.3	24.8	28.4	29.5	30.7	31.9	31.9	31.9	33.1	31.9
75°	13.0	15.4	17.7	18.9	21.3	22.5	22.5	23.6	23.6	23.6	23.6
77.5°	9.5	10.6	11.8	13.0	14.2	15.4	15.4	16.5	16.5	16.5	16.5
80°	5.9	7.1	7.1	8.3	9.5	9.5	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: P212806

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1015.1	1015.1	1015.1	1015.1
2.5°	999.7	993.8	1003.2	989.1
5°	989.1	983.2	995.0	977.2
7.5°	976.1	970.2	980.8	963.1
10°	959.5	953.6	963.1	944.2
12.5°	945.3	939.4	950.1	932.3
15°	934.7	928.8	938.3	921.7
17.5°	918.2	911.1	921.7	904.0
20°	894.5	889.8	898.1	880.3
22.5°	867.3	862.6	872.1	854.4
25°	839.0	833.1	842.5	824.8
27.5°	802.4	797.6	807.1	789.4
30°	758.6	753.9	763.4	746.8
32.5°	709.0	704.3	711.4	697.2
35°	652.3	648.7	655.8	640.5
37.5°	590.8	587.3	594.4	579.0
40°	524.7	521.1	527.0	519.9
42.5°	459.7	456.1	462.0	456.1
45°	395.9	393.5	399.4	393.5
47.5°	336.8	334.4	340.3	334.4
50°	280.1	281.2	283.6	281.2
52.5°	229.2	229.2	232.8	229.2
55°	185.5	186.7	187.9	185.5
57.5°	147.7	147.7	148.9	147.7
60°	114.6	115.8	115.8	114.6
62.5°	91.0	91.0	91.0	91.0
65°	72.1	72.1	73.3	72.1
67.5°	56.7	55.5	56.7	55.5
70°	42.5	42.5	42.5	42.5
72.5°	33.1	33.1	31.9	31.9
75°	23.6	24.8	23.6	23.6
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)