

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: P212802

Luminaire Tested: **LD6B20D010 EU6B10209027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212802
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 EU6B10209027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1599.1 lumens
Efficiency: N/A
Efficacy: 76.9 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

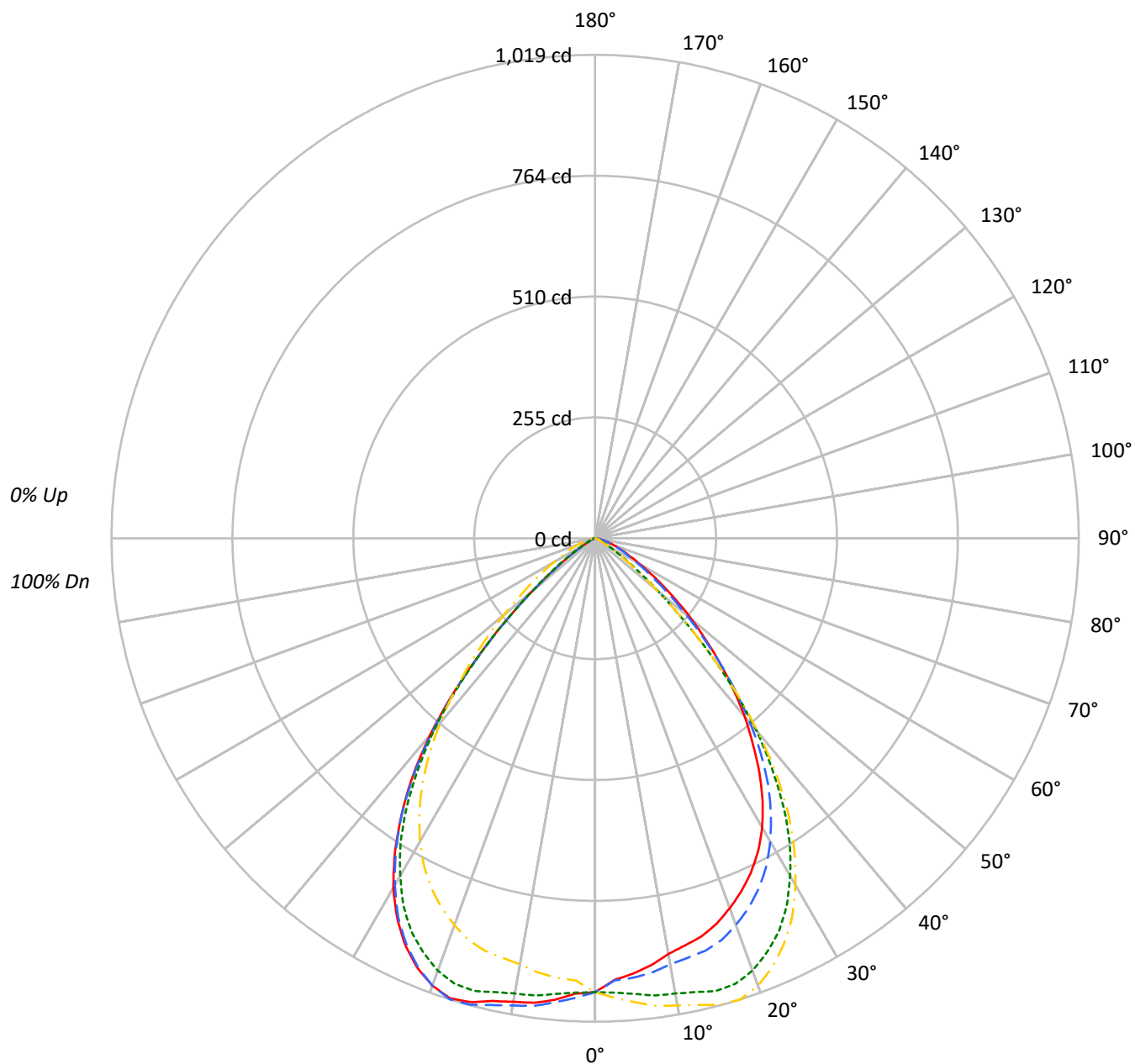
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	99		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	52435	52435	52435	52435
5°	50671	53060	53736	53060
10°	49520	54235	55226	54235
15°	49291	56050	57441	56050
20°	48392	56577	58525	56577
25°	47011	55364	57245	55364
30°	44545	52014	53850	52014
35°	40388	46351	47616	46351
40°	35059	37771	38723	37771
45°	28747	26072	26243	26072
50°	22601	14626	14336	14626
55°	16707	7235	6490	7235
60°	11841	3169	2324	3169
65°	8808	2024	1440	2024
70°	6427	1603	1074	1603
75°	4723	1186	699	1186
80°	3157	1042	347	1042
85°	2076	692	692	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	5.7
10°-20°	271.2	17.0
20°-30°	404.7	25.3
30°-40°	415.8	26.0
40°-50°	269.3	16.8
50°-60°	100.1	6.3
60°-70°	32.8	2.1
70°-80°	11.6	0.7
80°-90°	2.1	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°	767.4	48.0
0°-40°	1183.2	74.0
0°-60°	1552.6	97.1
0°-90°	1599.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1599.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	956	956	956	956	956	
5°	921	964	976	964	921	87
15°	868	988	1012	988	868	244
25°	777	915	946	915	777	356
35°	604	693	712	693	604	375
45°	371	336	338	336	371	287
55°	175	76	68	76	175	159
65°	68	16	11	16	68	69
75°	22	6	3	6	22	24
85°	3	1	1	1	3	4
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°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	932.0	945.3	936.4	942.0	933.1	933.1	950.9	940.9	948.7	940.9	933.1
5°	920.8	937.5	926.4	932.0	924.2	925.3	942.0	934.2	942.0	936.4	929.7
7.5°	907.5	924.2	914.1	919.7	911.9	914.1	932.0	924.2	933.1	927.5	923.1
10°	889.6	907.5	898.6	904.1	897.4	898.6	916.4	910.8	918.6	915.3	911.9
12.5°	878.5	895.2	885.2	890.8	886.3	888.5	905.2	900.8	910.8	907.5	905.2
15°	868.5	884.1	875.2	880.7	877.4	878.5	896.3	891.9	903.0	900.8	899.7
17.5°	851.8	868.5	858.5	865.2	861.8	862.9	880.7	877.4	888.5	888.5	887.4
20°	829.5	846.2	838.4	842.9	840.7	842.9	858.5	856.2	867.4	867.4	867.4
22.5°	805.0	821.7	812.8	817.3	815.0	818.4	832.9	832.9	841.8	842.9	844.0
25°	777.2	793.9	785.0	790.5	788.3	790.5	803.9	805.0	812.8	812.8	815.0
27.5°	743.8	760.5	751.6	756.0	754.9	756.0	770.5	772.7	777.2	778.3	780.5
30°	703.7	719.3	710.4	714.8	714.8	714.8	729.3	730.4	734.9	736.0	738.2
32.5°	656.9	670.3	663.6	668.1	667.0	669.2	679.2	683.7	689.2	688.1	689.2
35°	603.5	618.0	611.3	614.6	615.7	619.1	625.8	631.3	632.4	633.6	635.8
37.5°	545.6	560.1	553.4	556.7	557.8	564.5	566.7	572.3	574.5	574.5	574.5
40°	489.9	496.6	491.0	494.4	495.5	501.1	503.3	507.7	510.0	508.8	507.7
42.5°	429.8	435.4	429.8	433.1	433.1	437.6	438.7	444.3	444.3	442.0	438.7
45°	370.8	376.3	370.8	373.0	373.0	377.5	377.5	377.5	379.7	376.3	370.8
47.5°	315.1	320.7	315.1	317.3	316.2	319.6	318.4	319.6	316.2	314.0	307.3
50°	265.0	267.2	265.0	263.9	265.0	267.2	266.1	266.1	261.7	258.3	250.5
52.5°	216.0	219.3	216.0	216.0	216.0	218.2	218.2	217.1	212.7	208.2	200.4
55°	174.8	177.0	175.9	174.8	174.8	177.0	174.8	174.8	170.4	167.0	159.2
57.5°	139.2	140.3	139.2	139.2	139.2	140.3	140.3	138.1	134.7	131.4	125.8
60°	108.0	109.1	109.1	108.0	108.0	110.2	110.2	109.1	105.8	103.6	98.0
62.5°	85.7	85.7	85.7	85.7	85.7	86.8	86.8	86.8	84.6	82.4	77.9
65°	67.9	69.0	67.9	67.9	69.0	70.1	69.0	70.1	67.9	66.8	63.5
67.5°	52.3	53.4	52.3	53.4	53.4	54.6	53.4	54.6	52.3	51.2	49.0
70°	40.1	40.1	40.1	40.1	40.1	41.2	40.1	41.2	40.1	39.0	36.7
72.5°	30.1	30.1	31.2	31.2	30.1	31.2	30.1	30.1	30.1	28.9	27.8
75°	22.3	22.3	23.4	22.3	22.3	22.3	22.3	22.3	21.2	21.2	20.0
77.5°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	14.5	14.5	13.4
80°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.9	8.9
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	5.6	5.6
85°	3.3	3.3	3.3	4.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.1	1.1	1.1	2.2	1.1	1.1	2.2	2.2	1.1	1.1	1.1
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°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	942.0	945.3	945.3	942.0	949.8	943.1	956.5	944.2	947.5	958.7	957.6
5°	938.6	943.1	944.2	942.0	952.0	946.4	959.8	947.5	953.1	964.2	964.2
7.5°	934.2	939.8	942.0	944.2	953.1	947.5	963.1	950.9	958.7	972.0	970.9
10°	924.2	932.0	936.4	939.8	948.7	945.3	962.0	952.0	958.7	974.3	973.2
12.5°	918.6	927.5	934.2	939.8	949.8	947.5	964.2	955.3	964.2	979.8	979.8
15°	914.1	924.2	932.0	942.0	952.0	949.8	967.6	959.8	968.7	987.6	986.5
17.5°	903.0	915.3	923.1	934.2	944.2	943.1	962.0	956.5	966.5	984.3	985.4
20°	884.1	895.2	904.1	917.5	928.6	926.4	946.4	940.9	950.9	969.8	970.9
22.5°	859.6	870.7	879.6	894.1	904.1	903.0	923.1	917.5	927.5	945.3	946.4
25°	830.6	840.7	849.6	862.9	874.1	874.1	891.9	886.3	897.4	915.3	915.3
27.5°	795.0	803.9	811.7	827.3	836.2	836.2	852.9	847.3	858.5	874.1	872.9
30°	751.6	759.4	766.1	779.4	787.2	788.3	802.8	797.2	808.4	821.7	821.7
32.5°	699.2	707.0	711.5	728.2	733.8	732.7	743.8	738.2	749.4	763.8	760.5
35°	643.6	646.9	650.3	667.0	669.2	664.7	675.9	670.3	678.1	692.6	690.3
37.5°	580.1	581.2	581.2	595.7	596.8	593.5	600.1	593.5	599.0	612.4	611.3
40°	510.0	508.8	507.7	518.9	517.8	511.1	515.5	510.0	517.8	527.8	522.2
42.5°	438.7	435.4	430.9	436.5	432.0	426.5	428.7	419.8	425.3	433.1	426.5
45°	368.6	361.9	353.0	354.1	348.5	341.8	338.5	329.6	328.5	336.3	330.7
47.5°	302.9	289.5	281.7	277.2	268.3	262.8	256.1	246.1	241.6	246.1	240.5
50°	243.8	230.5	220.5	210.4	201.5	194.9	183.7	177.0	170.4	171.5	167.0
52.5°	192.6	183.7	167.0	159.2	150.3	142.5	132.5	124.7	116.9	116.9	112.5
55°	152.5	140.3	129.2	118.0	109.1	102.4	92.4	84.6	76.8	75.7	71.3
57.5°	118.0	109.1	96.9	85.7	80.2	73.5	63.5	54.6	50.1	46.8	43.4
60°	91.3	82.4	72.4	63.5	56.8	52.3	42.3	35.6	31.2	28.9	25.6
62.5°	73.5	65.7	56.8	47.9	43.4	39.0	31.2	25.6	21.2	18.9	16.7
65°	59.0	52.3	45.7	39.0	35.6	31.2	25.6	21.2	17.8	15.6	13.4
67.5°	45.7	41.2	35.6	31.2	27.8	24.5	20.0	16.7	14.5	12.2	11.1
70°	34.5	31.2	27.8	23.4	21.2	18.9	15.6	12.2	11.1	10.0	8.9
72.5°	26.7	23.4	20.0	17.8	15.6	14.5	12.2	10.0	8.9	7.8	6.7
75°	17.8	16.7	14.5	12.2	11.1	10.0	8.9	7.8	6.7	5.6	5.6
77.5°	12.2	11.1	10.0	8.9	7.8	7.8	6.7	5.6	4.5	4.5	3.3
80°	7.8	6.7	6.7	5.6	5.6	5.6	4.5	3.3	3.3	3.3	2.2
82.5°	5.6	4.5	4.5	3.3	3.3	3.3	3.3	2.2	2.2	2.2	1.1
85°	3.3	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	948.7	958.7	958.7	967.6	968.7	966.5	956.5	956.5	969.8	977.6	964.2
5°	957.6	967.6	967.6	976.5	980.9	977.6	967.6	968.7	982.1	991.0	977.6
7.5°	965.4	975.4	977.6	987.6	991.0	987.6	977.6	979.8	994.3	1002.1	988.7
10°	968.7	978.7	979.8	991.0	995.4	991.0	983.2	984.3	999.9	1005.4	993.2
12.5°	976.5	986.5	986.5	998.8	1003.2	999.9	989.9	992.1	1007.7	1013.2	1001.0
15°	984.3	994.3	994.3	1007.7	1013.2	1008.8	1001.0	1002.1	1017.7	1023.3	1013.2
17.5°	984.3	993.2	993.2	1007.7	1013.2	1009.9	1001.0	1002.1	1018.8	1023.3	1013.2
20°	969.8	979.8	977.6	992.1	997.7	994.3	986.5	986.5	1003.2	1007.7	997.7
22.5°	946.4	955.3	953.1	966.5	973.2	968.7	962.0	960.9	977.6	982.1	972.0
25°	914.1	923.1	920.8	934.2	940.9	935.3	927.5	928.6	942.0	948.7	939.8
27.5°	876.3	881.9	878.5	891.9	898.6	893.0	885.2	886.3	899.7	904.1	897.4
30°	825.1	829.5	826.2	837.3	841.8	838.4	831.7	831.7	844.0	849.6	842.9
32.5°	763.8	767.2	763.8	772.7	781.6	775.0	768.3	768.3	781.6	786.1	778.3
35°	692.6	695.9	693.7	702.6	709.3	700.4	694.8	692.6	710.4	708.2	703.7
37.5°	613.5	615.7	609.1	624.6	628.0	618.0	613.5	611.3	626.9	625.8	621.3
40°	524.4	526.7	522.2	533.3	534.5	526.7	523.3	520.0	535.6	534.5	531.1
42.5°	429.8	430.9	425.3	434.2	436.5	428.7	427.6	423.1	437.6	435.4	434.2
45°	331.8	331.8	327.4	334.0	336.3	329.6	327.4	326.2	336.3	336.3	334.0
47.5°	240.5	237.2	231.6	241.6	242.7	238.3	237.2	233.8	243.8	243.8	241.6
50°	164.8	163.7	162.6	164.8	165.9	160.3	163.7	160.3	165.9	165.9	165.9
52.5°	110.2	109.1	106.9	109.1	109.1	105.8	105.8	104.7	109.1	109.1	106.9
55°	69.0	67.9	66.8	67.9	67.9	64.6	66.8	64.6	66.8	66.8	65.7
57.5°	42.3	40.1	40.1	39.0	39.0	36.7	37.9	37.9	37.9	37.9	37.9
60°	24.5	23.4	22.3	22.3	22.3	21.2	21.2	21.2	21.2	21.2	21.2
62.5°	15.6	15.6	14.5	14.5	14.5	14.5	14.5	13.4	14.5	14.5	14.5
65°	13.4	12.2	12.2	12.2	12.2	11.1	11.1	11.1	11.1	11.1	11.1
67.5°	11.1	10.0	10.0	10.0	10.0	8.9	8.9	8.9	8.9	8.9	8.9
70°	8.9	7.8	7.8	7.8	7.8	7.8	6.7	7.8	7.8	6.7	6.7
72.5°	6.7	6.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
75°	4.5	4.5	4.5	4.5	4.5	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	0.0	1.1	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°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	979.8	968.7	963.1	974.3	978.7	973.2	968.7	960.9	968.7	973.2	978.7
5°	993.2	983.2	978.7	986.5	993.2	987.6	984.3	976.5	984.3	987.6	993.2
7.5°	1005.4	995.4	989.9	997.7	1005.4	997.7	994.3	987.6	994.3	997.7	1005.4
10°	1009.9	998.8	994.3	1001.0	1008.8	1001.0	996.5	992.1	996.5	1001.0	1008.8
12.5°	1017.7	1006.6	1001.0	1006.6	1014.4	1006.6	1002.1	998.8	1002.1	1006.6	1014.4
15°	1028.8	1018.8	1012.1	1017.7	1027.7	1018.8	1013.2	1012.1	1013.2	1018.8	1027.7
17.5°	1028.8	1021.0	1014.4	1018.8	1028.8	1022.1	1014.4	1016.6	1014.4	1022.1	1028.8
20°	1014.4	1006.6	1001.0	1001.0	1015.5	1006.6	999.9	1003.2	999.9	1006.6	1015.5
22.5°	988.7	982.1	976.5	975.4	989.9	982.1	973.2	979.8	973.2	982.1	989.9
25°	955.3	948.7	944.2	942.0	956.5	947.5	939.8	946.4	939.8	947.5	956.5
27.5°	911.9	906.3	901.9	898.6	911.9	904.1	896.3	903.0	896.3	904.1	911.9
30°	856.2	852.9	848.4	844.0	857.4	849.6	841.8	850.7	841.8	849.6	857.4
32.5°	791.7	789.4	783.9	779.4	792.8	783.9	778.3	785.0	778.3	783.9	792.8
35°	717.1	713.7	710.4	702.6	717.1	709.3	709.3	711.5	709.3	709.3	717.1
37.5°	633.6	631.3	626.9	620.2	632.4	626.9	624.6	631.3	624.6	626.9	632.4
40°	540.0	538.9	535.6	527.8	541.1	535.6	532.2	541.1	532.2	535.6	541.1
42.5°	442.0	439.8	436.5	435.4	442.0	437.6	440.9	440.9	440.9	437.6	442.0
45°	340.7	338.5	336.3	331.8	339.6	337.4	336.3	338.5	336.3	337.4	339.6
47.5°	247.2	245.0	242.7	239.4	247.2	243.8	243.8	246.1	243.8	243.8	247.2
50°	165.9	167.0	165.9	163.7	165.9	164.8	165.9	168.1	165.9	164.8	165.9
52.5°	110.2	110.2	108.0	106.9	109.1	108.0	111.3	109.1	111.3	108.0	109.1
55°	66.8	67.9	66.8	65.7	66.8	65.7	69.0	67.9	69.0	65.7	66.8
57.5°	37.9	37.9	39.0	37.9	40.1	39.0	39.0	39.0	39.0	39.0	40.1
60°	21.2	21.2	21.2	21.2	21.2	21.2	22.3	21.2	22.3	21.2	21.2
62.5°	14.5	14.5	14.5	13.4	14.5	13.4	14.5	14.5	14.5	13.4	14.5
65°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
67.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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: P212802

CATALOG NUMBER: LD6B20D010 EU6B10209027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	974.3	963.1	968.7	979.8	964.2	977.6	969.8	956.5	956.5	966.5	968.7
5°	986.5	978.7	983.2	993.2	977.6	991.0	982.1	968.7	967.6	977.6	980.9
7.5°	997.7	989.9	995.4	1005.4	988.7	1002.1	994.3	979.8	977.6	987.6	991.0
10°	1001.0	994.3	998.8	1009.9	993.2	1005.4	999.9	984.3	983.2	991.0	995.4
12.5°	1006.6	1001.0	1006.6	1017.7	1001.0	1013.2	1007.7	992.1	989.9	999.9	1003.2
15°	1017.7	1012.1	1018.8	1028.8	1013.2	1023.3	1017.7	1002.1	1001.0	1008.8	1013.2
17.5°	1018.8	1014.4	1021.0	1028.8	1013.2	1023.3	1018.8	1002.1	1001.0	1009.9	1013.2
20°	1001.0	1001.0	1006.6	1014.4	997.7	1007.7	1003.2	986.5	986.5	994.3	997.7
22.5°	975.4	976.5	982.1	988.7	972.0	982.1	977.6	960.9	962.0	968.7	973.2
25°	942.0	944.2	948.7	955.3	939.8	948.7	942.0	928.6	927.5	935.3	940.9
27.5°	898.6	901.9	906.3	911.9	897.4	904.1	899.7	886.3	885.2	893.0	898.6
30°	844.0	848.4	852.9	856.2	842.9	849.6	844.0	831.7	831.7	838.4	841.8
32.5°	779.4	783.9	789.4	791.7	778.3	786.1	781.6	768.3	768.3	775.0	781.6
35°	702.6	710.4	713.7	717.1	703.7	708.2	710.4	692.6	694.8	700.4	709.3
37.5°	620.2	626.9	631.3	633.6	621.3	625.8	626.9	611.3	613.5	618.0	628.0
40°	527.8	535.6	538.9	540.0	531.1	534.5	535.6	520.0	523.3	526.7	534.5
42.5°	435.4	436.5	439.8	442.0	434.2	435.4	437.6	423.1	427.6	428.7	436.5
45°	331.8	336.3	338.5	340.7	334.0	336.3	336.3	326.2	327.4	329.6	336.3
47.5°	239.4	242.7	245.0	247.2	241.6	243.8	243.8	233.8	237.2	238.3	242.7
50°	163.7	165.9	167.0	165.9	165.9	165.9	165.9	160.3	163.7	160.3	165.9
52.5°	106.9	108.0	110.2	110.2	106.9	109.1	109.1	104.7	105.8	105.8	109.1
55°	65.7	66.8	67.9	66.8	65.7	66.8	66.8	64.6	66.8	64.6	67.9
57.5°	37.9	39.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	36.7	39.0
60°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	22.3
62.5°	13.4	14.5	14.5	14.5	14.5	14.5	14.5	13.4	14.5	14.5	14.5
65°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	12.2
67.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	10.0
70°	6.7	6.7	6.7	6.7	6.7	6.7	7.8	7.8	6.7	7.8	7.8
72.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.5
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	0.0	1.1
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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CATALOG NUMBER: LD6B20D010 EU6B10209027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	967.6	958.7	958.7	948.7	957.6	958.7	947.5	944.2	956.5	943.1	949.8
5°	976.5	967.6	967.6	957.6	964.2	964.2	953.1	947.5	959.8	946.4	952.0
7.5°	987.6	977.6	975.4	965.4	970.9	972.0	958.7	950.9	963.1	947.5	953.1
10°	991.0	979.8	978.7	968.7	973.2	974.3	958.7	952.0	962.0	945.3	948.7
12.5°	998.8	986.5	986.5	976.5	979.8	979.8	964.2	955.3	964.2	947.5	949.8
15°	1007.7	994.3	994.3	984.3	986.5	987.6	968.7	959.8	967.6	949.8	952.0
17.5°	1007.7	993.2	993.2	984.3	985.4	984.3	966.5	956.5	962.0	943.1	944.2
20°	992.1	977.6	979.8	969.8	970.9	969.8	950.9	940.9	946.4	926.4	928.6
22.5°	966.5	953.1	955.3	946.4	946.4	945.3	927.5	917.5	923.1	903.0	904.1
25°	934.2	920.8	923.1	914.1	915.3	915.3	897.4	886.3	891.9	874.1	874.1
27.5°	891.9	878.5	881.9	876.3	872.9	874.1	858.5	847.3	852.9	836.2	836.2
30°	837.3	826.2	829.5	825.1	821.7	821.7	808.4	797.2	802.8	788.3	787.2
32.5°	772.7	763.8	767.2	763.8	760.5	763.8	749.4	738.2	743.8	732.7	733.8
35°	702.6	693.7	695.9	692.6	690.3	692.6	678.1	670.3	675.9	664.7	669.2
37.5°	624.6	609.1	615.7	613.5	611.3	612.4	599.0	593.5	600.1	593.5	596.8
40°	533.3	522.2	526.7	524.4	522.2	527.8	517.8	510.0	515.5	511.1	517.8
42.5°	434.2	425.3	430.9	429.8	426.5	433.1	425.3	419.8	428.7	426.5	432.0
45°	334.0	327.4	331.8	331.8	330.7	336.3	328.5	329.6	338.5	341.8	348.5
47.5°	241.6	231.6	237.2	240.5	240.5	246.1	241.6	246.1	256.1	262.8	268.3
50°	164.8	162.6	163.7	164.8	167.0	171.5	170.4	177.0	183.7	194.9	201.5
52.5°	109.1	106.9	109.1	110.2	112.5	116.9	116.9	124.7	132.5	142.5	150.3
55°	67.9	66.8	67.9	69.0	71.3	75.7	76.8	84.6	92.4	102.4	109.1
57.5°	39.0	40.1	40.1	42.3	43.4	46.8	50.1	54.6	63.5	73.5	80.2
60°	22.3	22.3	23.4	24.5	25.6	28.9	31.2	35.6	42.3	52.3	56.8
62.5°	14.5	14.5	15.6	15.6	16.7	18.9	21.2	25.6	31.2	39.0	43.4
65°	12.2	12.2	12.2	13.4	13.4	15.6	17.8	21.2	25.6	31.2	35.6
67.5°	10.0	10.0	10.0	11.1	11.1	12.2	14.5	16.7	20.0	24.5	27.8
70°	7.8	7.8	7.8	8.9	8.9	10.0	11.1	12.2	15.6	18.9	21.2
72.5°	5.6	5.6	6.7	6.7	6.7	7.8	8.9	10.0	12.2	14.5	15.6
75°	4.5	4.5	4.5	4.5	5.6	5.6	6.7	7.8	8.9	10.0	11.1
77.5°	2.2	2.2	3.3	3.3	3.3	4.5	4.5	5.6	6.7	7.8	7.8
80°	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3	4.5	5.6	5.6
82.5°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	3.3	3.3	3.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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: P212802

CATALOG NUMBER: LD6B20D010 EU6B10209027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	942.0	945.3	945.3	942.0	933.1	940.9	948.7	940.9	950.9	933.1	933.1
5°	942.0	944.2	943.1	938.6	929.7	936.4	942.0	934.2	942.0	925.3	924.2
7.5°	944.2	942.0	939.8	934.2	923.1	927.5	933.1	924.2	932.0	914.1	911.9
10°	939.8	936.4	932.0	924.2	911.9	915.3	918.6	910.8	916.4	898.6	897.4
12.5°	939.8	934.2	927.5	918.6	905.2	907.5	910.8	900.8	905.2	888.5	886.3
15°	942.0	932.0	924.2	914.1	899.7	900.8	903.0	891.9	896.3	878.5	877.4
17.5°	934.2	923.1	915.3	903.0	887.4	888.5	888.5	877.4	880.7	862.9	861.8
20°	917.5	904.1	895.2	884.1	867.4	867.4	867.4	856.2	858.5	842.9	840.7
22.5°	894.1	879.6	870.7	859.6	844.0	842.9	841.8	832.9	832.9	818.4	815.0
25°	862.9	849.6	840.7	830.6	815.0	812.8	812.8	805.0	803.9	790.5	788.3
27.5°	827.3	811.7	803.9	795.0	780.5	778.3	777.2	772.7	770.5	756.0	754.9
30°	779.4	766.1	759.4	751.6	738.2	736.0	734.9	730.4	729.3	714.8	714.8
32.5°	728.2	711.5	707.0	699.2	689.2	688.1	689.2	683.7	679.2	669.2	667.0
35°	667.0	650.3	646.9	643.6	635.8	633.6	632.4	631.3	625.8	619.1	615.7
37.5°	595.7	581.2	581.2	580.1	574.5	574.5	574.5	572.3	566.7	564.5	557.8
40°	518.9	507.7	508.8	510.0	507.7	508.8	510.0	507.7	503.3	501.1	495.5
42.5°	436.5	430.9	435.4	438.7	438.7	442.0	444.3	444.3	438.7	437.6	433.1
45°	354.1	353.0	361.9	368.6	370.8	376.3	379.7	377.5	377.5	377.5	373.0
47.5°	277.2	281.7	289.5	302.9	307.3	314.0	316.2	319.6	318.4	319.6	316.2
50°	210.4	220.5	230.5	243.8	250.5	258.3	261.7	266.1	266.1	267.2	265.0
52.5°	159.2	167.0	183.7	192.6	200.4	208.2	212.7	217.1	218.2	218.2	216.0
55°	118.0	129.2	140.3	152.5	159.2	167.0	170.4	174.8	174.8	177.0	174.8
57.5°	85.7	96.9	109.1	118.0	125.8	131.4	134.7	138.1	140.3	140.3	139.2
60°	63.5	72.4	82.4	91.3	98.0	103.6	105.8	109.1	110.2	110.2	108.0
62.5°	47.9	56.8	65.7	73.5	77.9	82.4	84.6	86.8	86.8	86.8	85.7
65°	39.0	45.7	52.3	59.0	63.5	66.8	67.9	70.1	69.0	70.1	69.0
67.5°	31.2	35.6	41.2	45.7	49.0	51.2	52.3	54.6	53.4	54.6	53.4
70°	23.4	27.8	31.2	34.5	36.7	39.0	40.1	41.2	40.1	41.2	40.1
72.5°	17.8	20.0	23.4	26.7	27.8	28.9	30.1	30.1	30.1	31.2	30.1
75°	12.2	14.5	16.7	17.8	20.0	21.2	21.2	22.3	22.3	22.3	22.3
77.5°	8.9	10.0	11.1	12.2	13.4	14.5	14.5	15.6	15.6	15.6	15.6
80°	5.6	6.7	6.7	7.8	8.9	8.9	10.0	10.0	10.0	10.0	10.0
82.5°	3.3	4.5	4.5	5.6	5.6	5.6	6.7	6.7	6.7	6.7	6.7
85°	2.2	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	1.1	1.1
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: P212802

CATALOG NUMBER: LD6B20D010 EU6B10209027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	956.5	956.5	956.5	956.5
2.5°	942.0	936.4	945.3	932.0
5°	932.0	926.4	937.5	920.8
7.5°	919.7	914.1	924.2	907.5
10°	904.1	898.6	907.5	889.6
12.5°	890.8	885.2	895.2	878.5
15°	880.7	875.2	884.1	868.5
17.5°	865.2	858.5	868.5	851.8
20°	842.9	838.4	846.2	829.5
22.5°	817.3	812.8	821.7	805.0
25°	790.5	785.0	793.9	777.2
27.5°	756.0	751.6	760.5	743.8
30°	714.8	710.4	719.3	703.7
32.5°	668.1	663.6	670.3	656.9
35°	614.6	611.3	618.0	603.5
37.5°	556.7	553.4	560.1	545.6
40°	494.4	491.0	496.6	489.9
42.5°	433.1	429.8	435.4	429.8
45°	373.0	370.8	376.3	370.8
47.5°	317.3	315.1	320.7	315.1
50°	263.9	265.0	267.2	265.0
52.5°	216.0	216.0	219.3	216.0
55°	174.8	175.9	177.0	174.8
57.5°	139.2	139.2	140.3	139.2
60°	108.0	109.1	109.1	108.0
62.5°	85.7	85.7	85.7	85.7
65°	67.9	67.9	69.0	67.9
67.5°	53.4	52.3	53.4	52.3
70°	40.1	40.1	40.1	40.1
72.5°	31.2	31.2	30.1	30.1
75°	22.3	23.4	22.3	22.3
77.5°	15.6	15.6	15.6	15.6
80°	10.0	10.0	10.0	10.0
82.5°	6.7	6.7	6.7	6.7
85°	4.5	3.3	3.3	3.3
87.5°	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)