

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: P212772

Luminaire Tested: **LD6B10D010 EU6B10208035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212772
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: LD6B10D010 EU6B10208035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1040.8 lumens
Efficiency: N/A
Efficacy: 103.6 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

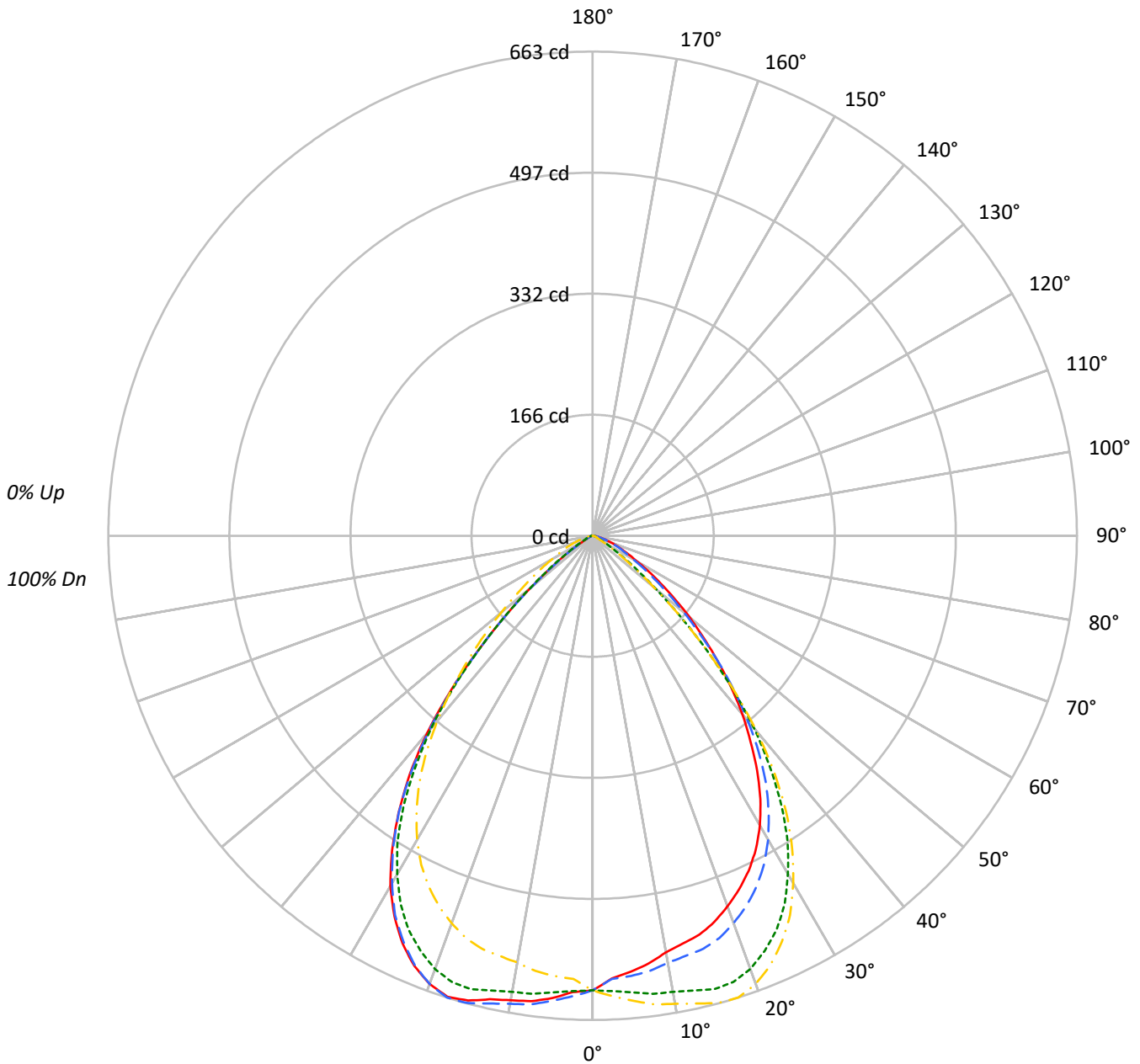
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	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	71	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°	34126	34126	34126	34126
5°	32979	34537	34977	34537
10°	32231	35298	35943	35298
15°	32083	36481	37390	36481
20°	31497	36823	38095	36823
25°	30595	36032	37260	36032
30°	28992	33853	35050	33853
35°	26287	30169	30992	30169
40°	22821	24582	25204	24582
45°	18707	16971	17079	16971
50°	14712	9518	9330	9518
55°	10877	4712	4224	4712
60°	7708	2061	1513	2061
65°	5733	1310	934	1310
70°	4183	1042	689	1042
75°	3071	763	466	763
80°	2052	695	221	695
85°	1384	440	440	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	5.7
10°-20°	176.5	17.0
20°-30°	263.4	25.3
30°-40°	270.6	26.0
40°-50°	175.2	16.8
50°-60°	65.2	6.3
60°-70°	21.4	2.1
70°-80°	7.5	0.7
80°-90°	1.3	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°	499.5	48.0
0°-40°	770.1	74.0
0°-60°	1010.5	97.1
0°-90°	1040.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1040.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	622	622	622	622	622	
5°	599	628	636	628	599	57
15°	565	643	659	643	565	159
25°	506	596	616	596	506	232
35°	393	451	463	451	393	244
45°	241	219	220	219	241	187
55°	114	49	44	49	114	104
65°	44	10	7	10	44	45
75°	14	4	2	4	14	16
85°	2	1	1	1	2	3
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°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	606.6	615.3	609.5	613.1	607.3	607.3	618.9	612.4	617.4	612.4	607.3
5°	599.3	610.2	603.0	606.6	601.5	602.2	613.1	608.0	613.1	609.5	605.1
7.5°	590.6	601.5	595.0	598.6	593.5	595.0	606.6	601.5	607.3	603.7	600.8
10°	579.0	590.6	584.8	588.5	584.1	584.8	596.4	592.8	597.9	595.7	593.5
12.5°	571.8	582.7	576.1	579.8	576.9	578.3	589.2	586.3	592.8	590.6	589.2
15°	565.3	575.4	569.6	573.2	571.1	571.8	583.4	580.5	587.7	586.3	585.6
17.5°	554.4	565.3	558.7	563.1	560.9	561.6	573.2	571.1	578.3	578.3	577.6
20°	539.9	550.8	545.7	548.6	547.2	548.6	558.7	557.3	564.5	564.5	564.5
22.5°	524.0	534.8	529.0	531.9	530.5	532.7	542.1	542.1	547.9	548.6	549.3
25°	505.8	516.7	510.9	514.5	513.1	514.5	523.2	524.0	529.0	529.0	530.5
27.5°	484.1	495.0	489.2	492.1	491.3	492.1	501.5	502.9	505.8	506.6	508.0
30°	458.0	468.2	462.4	465.3	465.3	465.3	474.7	475.4	478.3	479.0	480.5
32.5°	427.6	436.3	431.9	434.8	434.1	435.5	442.1	445.0	448.6	447.9	448.6
35°	392.8	402.2	397.9	400.0	400.8	402.9	407.3	410.9	411.6	412.4	413.8
37.5°	355.1	364.5	360.2	362.4	363.1	367.4	368.9	372.5	373.9	373.9	373.9
40°	318.9	323.2	319.6	321.8	322.5	326.1	327.6	330.5	331.9	331.2	330.5
42.5°	279.7	283.4	279.7	281.9	281.9	284.8	285.5	289.2	289.2	287.7	285.5
45°	241.3	244.9	241.3	242.8	242.8	245.7	245.7	245.7	247.1	244.9	241.3
47.5°	205.1	208.7	205.1	206.5	205.8	208.0	207.3	208.0	205.8	204.4	200.0
50°	172.5	173.9	172.5	171.8	172.5	173.9	173.2	173.2	170.3	168.1	163.1
52.5°	140.6	142.8	140.6	140.6	140.6	142.0	142.0	141.3	138.4	135.5	130.4
55°	113.8	115.2	114.5	113.8	113.8	115.2	113.8	113.8	110.9	108.7	103.6
57.5°	90.6	91.3	90.6	90.6	90.6	91.3	91.3	89.9	87.7	85.5	81.9
60°	70.3	71.0	71.0	70.3	70.3	71.7	71.7	71.0	68.8	67.4	63.8
62.5°	55.8	55.8	55.8	55.8	55.8	56.5	56.5	56.5	55.1	53.6	50.7
65°	44.2	44.9	44.2	44.2	44.9	45.7	44.9	45.7	44.2	43.5	41.3
67.5°	34.1	34.8	34.1	34.8	34.8	35.5	34.8	35.5	34.1	33.3	31.9
70°	26.1	26.1	26.1	26.1	26.1	26.8	26.1	26.8	26.1	25.4	23.9
72.5°	19.6	19.6	20.3	20.3	19.6	20.3	19.6	19.6	19.6	18.8	18.1
75°	14.5	14.5	15.2	14.5	14.5	14.5	14.5	14.5	13.8	13.8	13.0
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.4	9.4	8.7
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.8	5.8
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.6	3.6
85°	2.2	2.2	2.2	2.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.7	0.7	0.7	1.4	0.7	0.7	1.4	1.4	0.7	0.7	0.7
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°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	613.1	615.3	615.3	613.1	618.2	613.8	622.5	614.5	616.7	624.0	623.2
5°	610.9	613.8	614.5	613.1	619.6	616.0	624.7	616.7	620.3	627.6	627.6
7.5°	608.0	611.6	613.1	614.5	620.3	616.7	626.9	618.9	624.0	632.7	631.9
10°	601.5	606.6	609.5	611.6	617.4	615.3	626.1	619.6	624.0	634.1	633.4
12.5°	597.9	603.7	608.0	611.6	618.2	616.7	627.6	621.8	627.6	637.7	637.7
15°	595.0	601.5	606.6	613.1	619.6	618.2	629.8	624.7	630.5	642.8	642.1
17.5°	587.7	595.7	600.8	608.0	614.5	613.8	626.1	622.5	629.0	640.6	641.4
20°	575.4	582.7	588.5	597.2	604.4	603.0	616.0	612.4	618.9	631.2	631.9
22.5°	559.5	566.7	572.5	581.9	588.5	587.7	600.8	597.2	603.7	615.3	616.0
25°	540.6	547.2	552.9	561.6	568.9	568.9	580.5	576.9	584.1	595.7	595.7
27.5°	517.4	523.2	528.3	538.5	544.3	544.3	555.1	551.5	558.7	568.9	568.2
30°	489.2	494.2	498.6	507.3	512.4	513.1	522.5	518.9	526.1	534.8	534.8
32.5°	455.1	460.2	463.1	474.0	477.6	476.9	484.1	480.5	487.7	497.1	495.0
35°	418.9	421.1	423.2	434.1	435.5	432.6	439.9	436.3	441.3	450.8	449.3
37.5°	377.6	378.3	378.3	387.7	388.4	386.3	390.6	386.3	389.9	398.6	397.9
40°	331.9	331.2	330.5	337.7	337.0	332.6	335.5	331.9	337.0	343.5	339.9
42.5°	285.5	283.4	280.5	284.1	281.2	277.6	279.0	273.2	276.8	281.9	277.6
45°	239.9	235.5	229.7	230.5	226.8	222.5	220.3	214.5	213.8	218.9	215.2
47.5°	197.1	188.4	183.3	180.5	174.7	171.0	166.7	160.2	157.3	160.2	156.5
50°	158.7	150.0	143.5	137.0	131.2	126.8	119.6	115.2	110.9	111.6	108.7
52.5°	125.4	119.6	108.7	103.6	97.8	92.8	86.2	81.2	76.1	76.1	73.2
55°	99.3	91.3	84.1	76.8	71.0	66.7	60.2	55.1	50.0	49.3	46.4
57.5°	76.8	71.0	63.0	55.8	52.2	47.8	41.3	35.5	32.6	30.4	28.3
60°	59.4	53.6	47.1	41.3	37.0	34.1	27.5	23.2	20.3	18.8	16.7
62.5°	47.8	42.8	37.0	31.2	28.3	25.4	20.3	16.7	13.8	12.3	10.9
65°	38.4	34.1	29.7	25.4	23.2	20.3	16.7	13.8	11.6	10.1	8.7
67.5°	29.7	26.8	23.2	20.3	18.1	15.9	13.0	10.9	9.4	8.0	7.2
70°	22.5	20.3	18.1	15.2	13.8	12.3	10.1	8.0	7.2	6.5	5.8
72.5°	17.4	15.2	13.0	11.6	10.1	9.4	8.0	6.5	5.8	5.1	4.3
75°	11.6	10.9	9.4	8.0	7.2	6.5	5.8	5.1	4.3	3.6	3.6
77.5°	8.0	7.2	6.5	5.8	5.1	5.1	4.3	3.6	2.9	2.9	2.2
80°	5.1	4.3	4.3	3.6	3.6	3.6	2.9	2.2	2.2	2.2	1.4
82.5°	3.6	2.9	2.9	2.2	2.2	2.2	2.2	1.4	1.4	1.4	0.7
85°	2.2	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	617.4	624.0	624.0	629.8	630.5	629.0	622.5	622.5	631.2	636.3	627.6
5°	623.2	629.8	629.8	635.6	638.5	636.3	629.8	630.5	639.2	645.0	636.3
7.5°	628.3	634.8	636.3	642.8	645.0	642.8	636.3	637.7	647.2	652.2	643.5
10°	630.5	637.0	637.7	645.0	647.9	645.0	639.9	640.6	650.8	654.4	646.4
12.5°	635.6	642.1	642.1	650.1	653.0	650.8	644.3	645.7	655.9	659.5	651.5
15°	640.6	647.2	647.2	655.9	659.5	656.6	651.5	652.2	662.4	666.0	659.5
17.5°	640.6	646.4	646.4	655.9	659.5	657.3	651.5	652.2	663.1	666.0	659.5
20°	631.2	637.7	636.3	645.7	649.3	647.2	642.1	642.1	653.0	655.9	649.3
22.5°	616.0	621.8	620.3	629.0	633.4	630.5	626.1	625.4	636.3	639.2	632.7
25°	595.0	600.8	599.3	608.0	612.4	608.7	603.7	604.4	613.1	617.4	611.6
27.5°	570.3	574.0	571.8	580.5	584.8	581.2	576.1	576.9	585.6	588.5	584.1
30°	537.0	539.9	537.7	545.0	547.9	545.7	541.4	541.4	549.3	552.9	548.6
32.5°	497.1	499.3	497.1	502.9	508.7	504.4	500.0	500.0	508.7	511.6	506.6
35°	450.8	452.9	451.5	457.3	461.6	455.8	452.2	450.8	462.4	460.9	458.0
37.5°	399.3	400.8	396.4	406.6	408.7	402.2	399.3	397.9	408.0	407.3	404.4
40°	341.3	342.8	339.9	347.1	347.9	342.8	340.6	338.4	348.6	347.9	345.7
42.5°	279.7	280.5	276.8	282.6	284.1	279.0	278.3	275.4	284.8	283.4	282.6
45°	216.0	216.0	213.1	217.4	218.9	214.5	213.1	212.3	218.9	218.9	217.4
47.5°	156.5	154.4	150.7	157.3	158.0	155.1	154.4	152.2	158.7	158.7	157.3
50°	107.3	106.5	105.8	107.3	108.0	104.4	106.5	104.4	108.0	108.0	108.0
52.5°	71.7	71.0	69.6	71.0	71.0	68.8	68.8	68.1	71.0	71.0	69.6
55°	44.9	44.2	43.5	44.2	44.2	42.0	43.5	42.0	43.5	43.5	42.8
57.5°	27.5	26.1	26.1	25.4	25.4	23.9	24.6	24.6	24.6	24.6	24.6
60°	15.9	15.2	14.5	14.5	14.5	13.8	13.8	13.8	13.8	13.8	13.8
62.5°	10.1	10.1	9.4	9.4	9.4	9.4	9.4	8.7	9.4	9.4	9.4
65°	8.7	8.0	8.0	8.0	8.0	7.2	7.2	7.2	7.2	7.2	7.2
67.5°	7.2	6.5	6.5	6.5	6.5	5.8	5.8	5.8	5.8	5.8	5.8
70°	5.8	5.1	5.1	5.1	5.1	5.1	4.3	5.1	5.1	4.3	4.3
72.5°	4.3	4.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	2.9	2.9	2.9	2.9	2.9	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.7	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°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	637.7	630.5	626.9	634.1	637.0	633.4	630.5	625.4	630.5	633.4	637.0
5°	646.4	639.9	637.0	642.1	646.4	642.8	640.6	635.6	640.6	642.8	646.4
7.5°	654.4	647.9	644.3	649.3	654.4	649.3	647.2	642.8	647.2	649.3	654.4
10°	657.3	650.1	647.2	651.5	656.6	651.5	648.6	645.7	648.6	651.5	656.6
12.5°	662.4	655.1	651.5	655.1	660.2	655.1	652.2	650.1	652.2	655.1	660.2
15°	669.6	663.1	658.8	662.4	668.9	663.1	659.5	658.8	659.5	663.1	668.9
17.5°	669.6	664.6	660.2	663.1	669.6	665.3	660.2	661.7	660.2	665.3	669.6
20°	660.2	655.1	651.5	651.5	660.9	655.1	650.8	653.0	650.8	655.1	660.9
22.5°	643.5	639.2	635.6	634.8	644.3	639.2	633.4	637.7	633.4	639.2	644.3
25°	621.8	617.4	614.5	613.1	622.5	616.7	611.6	616.0	611.6	616.7	622.5
27.5°	593.5	589.9	587.0	584.8	593.5	588.5	583.4	587.7	583.4	588.5	593.5
30°	557.3	555.1	552.2	549.3	558.0	552.9	547.9	553.7	547.9	552.9	558.0
32.5°	515.3	513.8	510.2	507.3	516.0	510.2	506.6	510.9	506.6	510.2	516.0
35°	466.7	464.5	462.4	457.3	466.7	461.6	461.6	463.1	461.6	461.6	466.7
37.5°	412.4	410.9	408.0	403.7	411.6	408.0	406.6	410.9	406.6	408.0	411.6
40°	351.5	350.8	348.6	343.5	352.2	348.6	346.4	352.2	346.4	348.6	352.2
42.5°	287.7	286.3	284.1	283.4	287.7	284.8	287.0	287.0	287.0	284.8	287.7
45°	221.8	220.3	218.9	216.0	221.0	219.6	218.9	220.3	218.9	219.6	221.0
47.5°	160.9	159.4	158.0	155.8	160.9	158.7	158.7	160.2	158.7	158.7	160.9
50°	108.0	108.7	108.0	106.5	108.0	107.3	108.0	109.4	108.0	107.3	108.0
52.5°	71.7	71.7	70.3	69.6	71.0	70.3	72.5	71.0	72.5	70.3	71.0
55°	43.5	44.2	43.5	42.8	43.5	42.8	44.9	44.2	44.9	42.8	43.5
57.5°	24.6	24.6	25.4	24.6	26.1	25.4	25.4	25.4	25.4	25.4	26.1
60°	13.8	13.8	13.8	13.8	13.8	13.8	14.5	13.8	14.5	13.8	13.8
62.5°	9.4	9.4	9.4	8.7	9.4	8.7	9.4	9.4	9.4	8.7	9.4
65°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
67.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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: P212772

CATALOG NUMBER: LD6B10D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	634.1	626.9	630.5	637.7	627.6	636.3	631.2	622.5	622.5	629.0	630.5
5°	642.1	637.0	639.9	646.4	636.3	645.0	639.2	630.5	629.8	636.3	638.5
7.5°	649.3	644.3	647.9	654.4	643.5	652.2	647.2	637.7	636.3	642.8	645.0
10°	651.5	647.2	650.1	657.3	646.4	654.4	650.8	640.6	639.9	645.0	647.9
12.5°	655.1	651.5	655.1	662.4	651.5	659.5	655.9	645.7	644.3	650.8	653.0
15°	662.4	658.8	663.1	669.6	659.5	666.0	662.4	652.2	651.5	656.6	659.5
17.5°	663.1	660.2	664.6	669.6	659.5	666.0	663.1	652.2	651.5	657.3	659.5
20°	651.5	651.5	655.1	660.2	649.3	655.9	653.0	642.1	642.1	647.2	649.3
22.5°	634.8	635.6	639.2	643.5	632.7	639.2	636.3	625.4	626.1	630.5	633.4
25°	613.1	614.5	617.4	621.8	611.6	617.4	613.1	604.4	603.7	608.7	612.4
27.5°	584.8	587.0	589.9	593.5	584.1	588.5	585.6	576.9	576.1	581.2	584.8
30°	549.3	552.2	555.1	557.3	548.6	552.9	549.3	541.4	541.4	545.7	547.9
32.5°	507.3	510.2	513.8	515.3	506.6	511.6	508.7	500.0	500.0	504.4	508.7
35°	457.3	462.4	464.5	466.7	458.0	460.9	462.4	450.8	452.2	455.8	461.6
37.5°	403.7	408.0	410.9	412.4	404.4	407.3	408.0	397.9	399.3	402.2	408.7
40°	343.5	348.6	350.8	351.5	345.7	347.9	348.6	338.4	340.6	342.8	347.9
42.5°	283.4	284.1	286.3	287.7	282.6	283.4	284.8	275.4	278.3	279.0	284.1
45°	216.0	218.9	220.3	221.8	217.4	218.9	218.9	212.3	213.1	214.5	218.9
47.5°	155.8	158.0	159.4	160.9	157.3	158.7	158.7	152.2	154.4	155.1	158.0
50°	106.5	108.0	108.7	108.0	108.0	108.0	108.0	104.4	106.5	104.4	108.0
52.5°	69.6	70.3	71.7	71.7	69.6	71.0	71.0	68.1	68.8	68.8	71.0
55°	42.8	43.5	44.2	43.5	42.8	43.5	43.5	42.0	43.5	42.0	44.2
57.5°	24.6	25.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	23.9	25.4
60°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	14.5
62.5°	8.7	9.4	9.4	9.4	9.4	9.4	9.4	8.7	9.4	9.4	9.4
65°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.0
67.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.5
70°	4.3	4.3	4.3	4.3	4.3	4.3	5.1	5.1	4.3	5.1	5.1
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.7
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: P212772

CATALOG NUMBER: LD6B10D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	629.8	624.0	624.0	617.4	623.2	624.0	616.7	614.5	622.5	613.8	618.2
5°	635.6	629.8	629.8	623.2	627.6	627.6	620.3	616.7	624.7	616.0	619.6
7.5°	642.8	636.3	634.8	628.3	631.9	632.7	624.0	618.9	626.9	616.7	620.3
10°	645.0	637.7	637.0	630.5	633.4	634.1	624.0	619.6	626.1	615.3	617.4
12.5°	650.1	642.1	642.1	635.6	637.7	637.7	627.6	621.8	627.6	616.7	618.2
15°	655.9	647.2	647.2	640.6	642.1	642.8	630.5	624.7	629.8	618.2	619.6
17.5°	655.9	646.4	646.4	640.6	641.4	640.6	629.0	622.5	626.1	613.8	614.5
20°	645.7	636.3	637.7	631.2	631.9	631.2	618.9	612.4	616.0	603.0	604.4
22.5°	629.0	620.3	621.8	616.0	616.0	615.3	603.7	597.2	600.8	587.7	588.5
25°	608.0	599.3	600.8	595.0	595.7	595.7	584.1	576.9	580.5	568.9	568.9
27.5°	580.5	571.8	574.0	570.3	568.2	568.9	558.7	551.5	555.1	544.3	544.3
30°	545.0	537.7	539.9	537.0	534.8	534.8	526.1	518.9	522.5	513.1	512.4
32.5°	502.9	497.1	499.3	497.1	495.0	497.1	487.7	480.5	484.1	476.9	477.6
35°	457.3	451.5	452.9	450.8	449.3	450.8	441.3	436.3	439.9	432.6	435.5
37.5°	406.6	396.4	400.8	399.3	397.9	398.6	389.9	386.3	390.6	386.3	388.4
40°	347.1	339.9	342.8	341.3	339.9	343.5	337.0	331.9	335.5	332.6	337.0
42.5°	282.6	276.8	280.5	279.7	277.6	281.9	276.8	273.2	279.0	277.6	281.2
45°	217.4	213.1	216.0	216.0	215.2	218.9	213.8	214.5	220.3	222.5	226.8
47.5°	157.3	150.7	154.4	156.5	156.5	160.2	157.3	160.2	166.7	171.0	174.7
50°	107.3	105.8	106.5	107.3	108.7	111.6	110.9	115.2	119.6	126.8	131.2
52.5°	71.0	69.6	71.0	71.7	73.2	76.1	76.1	81.2	86.2	92.8	97.8
55°	44.2	43.5	44.2	44.9	46.4	49.3	50.0	55.1	60.2	66.7	71.0
57.5°	25.4	26.1	26.1	27.5	28.3	30.4	32.6	35.5	41.3	47.8	52.2
60°	14.5	14.5	15.2	15.9	16.7	18.8	20.3	23.2	27.5	34.1	37.0
62.5°	9.4	9.4	10.1	10.1	10.9	12.3	13.8	16.7	20.3	25.4	28.3
65°	8.0	8.0	8.0	8.7	8.7	10.1	11.6	13.8	16.7	20.3	23.2
67.5°	6.5	6.5	6.5	7.2	7.2	8.0	9.4	10.9	13.0	15.9	18.1
70°	5.1	5.1	5.1	5.8	5.8	6.5	7.2	8.0	10.1	12.3	13.8
72.5°	3.6	3.6	4.3	4.3	4.3	5.1	5.8	6.5	8.0	9.4	10.1
75°	2.9	2.9	2.9	2.9	3.6	3.6	4.3	5.1	5.8	6.5	7.2
77.5°	1.4	1.4	2.2	2.2	2.2	2.9	2.9	3.6	4.3	5.1	5.1
80°	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.9	3.6	3.6
82.5°	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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: P212772

CATALOG NUMBER: LD6B10D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	613.1	615.3	615.3	613.1	607.3	612.4	617.4	612.4	618.9	607.3	607.3
5°	613.1	614.5	613.8	610.9	605.1	609.5	613.1	608.0	613.1	602.2	601.5
7.5°	614.5	613.1	611.6	608.0	600.8	603.7	607.3	601.5	606.6	595.0	593.5
10°	611.6	609.5	606.6	601.5	593.5	595.7	597.9	592.8	596.4	584.8	584.1
12.5°	611.6	608.0	603.7	597.9	589.2	590.6	592.8	586.3	589.2	578.3	576.9
15°	613.1	606.6	601.5	595.0	585.6	586.3	587.7	580.5	583.4	571.8	571.1
17.5°	608.0	600.8	595.7	587.7	577.6	578.3	578.3	571.1	573.2	561.6	560.9
20°	597.2	588.5	582.7	575.4	564.5	564.5	564.5	557.3	558.7	548.6	547.2
22.5°	581.9	572.5	566.7	559.5	549.3	548.6	547.9	542.1	542.1	532.7	530.5
25°	561.6	552.9	547.2	540.6	530.5	529.0	529.0	524.0	523.2	514.5	513.1
27.5°	538.5	528.3	523.2	517.4	508.0	506.6	505.8	502.9	501.5	492.1	491.3
30°	507.3	498.6	494.2	489.2	480.5	479.0	478.3	475.4	474.7	465.3	465.3
32.5°	474.0	463.1	460.2	455.1	448.6	447.9	448.6	445.0	442.1	435.5	434.1
35°	434.1	423.2	421.1	418.9	413.8	412.4	411.6	410.9	407.3	402.9	400.8
37.5°	387.7	378.3	378.3	377.6	373.9	373.9	373.9	372.5	368.9	367.4	363.1
40°	337.7	330.5	331.2	331.9	330.5	331.2	331.9	330.5	327.6	326.1	322.5
42.5°	284.1	280.5	283.4	285.5	285.5	287.7	289.2	289.2	285.5	284.8	281.9
45°	230.5	229.7	235.5	239.9	241.3	244.9	247.1	245.7	245.7	245.7	242.8
47.5°	180.5	183.3	188.4	197.1	200.0	204.4	205.8	208.0	207.3	208.0	205.8
50°	137.0	143.5	150.0	158.7	163.1	168.1	170.3	173.2	173.2	173.9	172.5
52.5°	103.6	108.7	119.6	125.4	130.4	135.5	138.4	141.3	142.0	142.0	140.6
55°	76.8	84.1	91.3	99.3	103.6	108.7	110.9	113.8	113.8	115.2	113.8
57.5°	55.8	63.0	71.0	76.8	81.9	85.5	87.7	89.9	91.3	91.3	90.6
60°	41.3	47.1	53.6	59.4	63.8	67.4	68.8	71.0	71.7	71.7	70.3
62.5°	31.2	37.0	42.8	47.8	50.7	53.6	55.1	56.5	56.5	56.5	55.8
65°	25.4	29.7	34.1	38.4	41.3	43.5	44.2	45.7	44.9	45.7	44.9
67.5°	20.3	23.2	26.8	29.7	31.9	33.3	34.1	35.5	34.8	35.5	34.8
70°	15.2	18.1	20.3	22.5	23.9	25.4	26.1	26.8	26.1	26.8	26.1
72.5°	11.6	13.0	15.2	17.4	18.1	18.8	19.6	19.6	19.6	20.3	19.6
75°	8.0	9.4	10.9	11.6	13.0	13.8	13.8	14.5	14.5	14.5	14.5
77.5°	5.8	6.5	7.2	8.0	8.7	9.4	9.4	10.1	10.1	10.1	10.1
80°	3.6	4.3	4.3	5.1	5.8	5.8	6.5	6.5	6.5	6.5	6.5
82.5°	2.2	2.9	2.9	3.6	3.6	3.6	4.3	4.3	4.3	4.3	4.3
85°	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	0.7	0.7
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: P212772

CATALOG NUMBER: LD6B10D010 EU6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	622.5	622.5	622.5	622.5
2.5°	613.1	609.5	615.3	606.6
5°	606.6	603.0	610.2	599.3
7.5°	598.6	595.0	601.5	590.6
10°	588.5	584.8	590.6	579.0
12.5°	579.8	576.1	582.7	571.8
15°	573.2	569.6	575.4	565.3
17.5°	563.1	558.7	565.3	554.4
20°	548.6	545.7	550.8	539.9
22.5°	531.9	529.0	534.8	524.0
25°	514.5	510.9	516.7	505.8
27.5°	492.1	489.2	495.0	484.1
30°	465.3	462.4	468.2	458.0
32.5°	434.8	431.9	436.3	427.6
35°	400.0	397.9	402.2	392.8
37.5°	362.4	360.2	364.5	355.1
40°	321.8	319.6	323.2	318.9
42.5°	281.9	279.7	283.4	279.7
45°	242.8	241.3	244.9	241.3
47.5°	206.5	205.1	208.7	205.1
50°	171.8	172.5	173.9	172.5
52.5°	140.6	140.6	142.8	140.6
55°	113.8	114.5	115.2	113.8
57.5°	90.6	90.6	91.3	90.6
60°	70.3	71.0	71.0	70.3
62.5°	55.8	55.8	55.8	55.8
65°	44.2	44.2	44.9	44.2
67.5°	34.8	34.1	34.8	34.1
70°	26.1	26.1	26.1	26.1
72.5°	20.3	20.3	19.6	19.6
75°	14.5	15.2	14.5	14.5
77.5°	10.1	10.1	10.1	10.1
80°	6.5	6.5	6.5	6.5
82.5°	4.3	4.3	4.3	4.3
85°	2.9	2.2	2.2	2.2
87.5°	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)