

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: P212781

Luminaire Tested: **LD6B10D010 EU6B10209727 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212781  
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 EU6B10209727 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 725.3 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

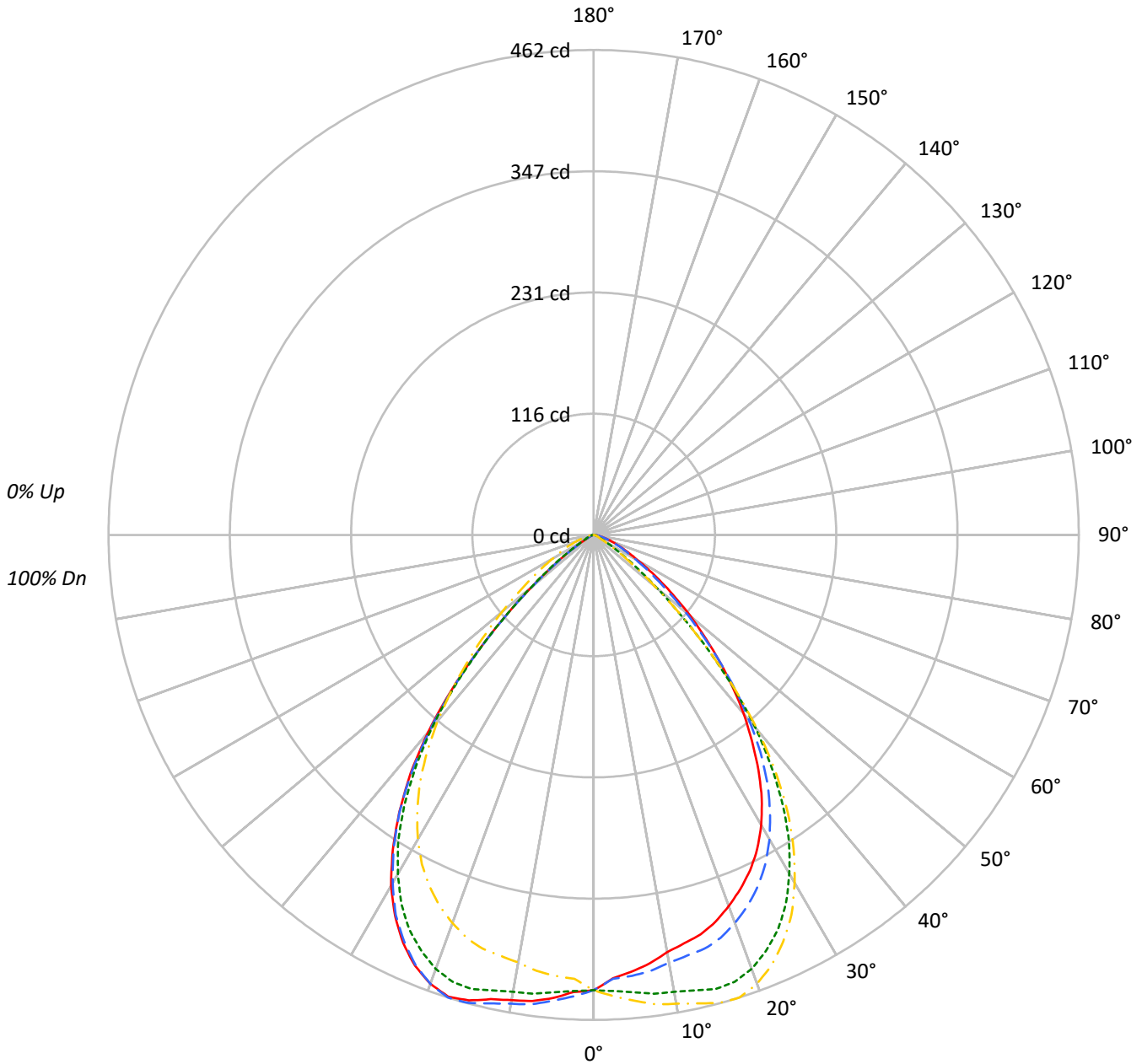
Input Watts (W): 10.05  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	23781	23781	23781	23781
5°	22980	24064	24373	24064
10°	22461	24599	25050	24599
15°	22355	25420	26056	25420
20°	21947	25663	26544	25663
25°	21322	25108	25967	25108
30°	20206	23592	24421	23592
35°	18317	21021	21596	21021
40°	15901	17132	17561	17132
45°	13040	11823	11900	11823
50°	10251	6635	6507	6635
55°	7579	3278	2944	3278
60°	5372	1436	1053	1436
65°	3995	921	662	921
70°	2917	721	481	721
75°	2139	530	318	530
80°	1421	474	158	474
85°	943	314	314	314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	5.7
10°-20°	123.0	17.0
20°-30°	183.6	25.3
30°-40°	188.6	26.0
40°-50°	122.1	16.8
50°-60°	45.4	6.3
60°-70°	14.9	2.1
70°-80°	5.2	0.7
80°-90°	0.9	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°	348.1	48.0
0°-40°	536.7	74.0
0°-60°	704.2	97.1
0°-90°	725.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	434	434	434	434	434	
5°	418	437	443	437	418	39
15°	394	448	459	448	394	111
25°	352	415	429	415	352	162
35°	274	314	323	314	274	170
45°	168	152	154	152	168	130
55°	79	34	31	34	79	72
65°	31	7	5	7	31	31
75°	10	2	2	2	10	11
85°	2	0	0	0	2	2
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°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8
2.5°	422.7	428.8	424.7	427.2	423.2	423.2	431.3	426.7	430.3	426.7	423.2
5°	417.6	425.2	420.2	422.7	419.2	419.7	427.2	423.7	427.2	424.7	421.7
7.5°	411.6	419.2	414.6	417.1	413.6	414.6	422.7	419.2	423.2	420.7	418.7
10°	403.5	411.6	407.5	410.1	407.0	407.5	415.6	413.1	416.6	415.1	413.6
12.5°	398.5	406.0	401.5	404.0	402.0	403.0	410.6	408.6	413.1	411.6	410.6
15°	393.9	401.0	396.9	399.5	398.0	398.5	406.5	404.5	409.6	408.6	408.1
17.5°	386.3	393.9	389.4	392.4	390.9	391.4	399.5	398.0	403.0	403.0	402.5
20°	376.2	383.8	380.3	382.3	381.3	382.3	389.4	388.4	393.4	393.4	393.4
22.5°	365.1	372.7	368.7	370.7	369.7	371.2	377.8	377.8	381.8	382.3	382.8
25°	352.5	360.1	356.0	358.6	357.6	358.6	364.6	365.1	368.7	368.7	369.7
27.5°	337.4	344.9	340.9	342.9	342.4	342.9	349.5	350.5	352.5	353.0	354.0
30°	319.2	326.2	322.2	324.2	324.2	324.2	330.8	331.3	333.3	333.8	334.8
32.5°	298.0	304.0	301.0	303.0	302.5	303.5	308.1	310.1	312.6	312.1	312.6
35°	273.7	280.3	277.3	278.8	279.3	280.8	283.8	286.3	286.8	287.4	288.4
37.5°	247.5	254.0	251.0	252.5	253.0	256.0	257.1	259.6	260.6	260.6	260.6
40°	222.2	225.2	222.7	224.2	224.7	227.3	228.3	230.3	231.3	230.8	230.3
42.5°	194.9	197.5	194.9	196.5	196.5	198.5	199.0	201.5	201.5	200.5	199.0
45°	168.2	170.7	168.2	169.2	169.2	171.2	171.2	171.2	172.2	170.7	168.2
47.5°	142.9	145.4	142.9	143.9	143.4	144.9	144.4	144.9	143.4	142.4	139.4
50°	120.2	121.2	120.2	119.7	120.2	121.2	120.7	120.7	118.7	117.2	113.6
52.5°	98.0	99.5	98.0	98.0	98.0	99.0	99.0	98.5	96.5	94.4	90.9
55°	79.3	80.3	79.8	79.3	79.3	80.3	79.3	79.3	77.3	75.8	72.2
57.5°	63.1	63.6	63.1	63.1	63.1	63.6	63.6	62.6	61.1	59.6	57.1
60°	49.0	49.5	49.5	49.0	49.0	50.0	50.0	49.5	48.0	47.0	44.4
62.5°	38.9	38.9	38.9	38.9	38.9	39.4	39.4	39.4	38.4	37.4	35.4
65°	30.8	31.3	30.8	30.8	31.3	31.8	31.3	31.8	30.8	30.3	28.8
67.5°	23.7	24.2	23.7	24.2	24.2	24.7	24.2	24.7	23.7	23.2	22.2
70°	18.2	18.2	18.2	18.2	18.2	18.7	18.2	18.7	18.2	17.7	16.7
72.5°	13.6	13.6	14.1	14.1	13.6	14.1	13.6	13.6	13.6	13.1	12.6
75°	10.1	10.1	10.6	10.1	10.1	10.1	10.1	10.1	9.6	9.6	9.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.6	6.6	6.1
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5
85°	1.5	1.5	1.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	0.5	0.5	0.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5	0.5
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°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8
2.5°	427.2	428.8	428.8	427.2	430.8	427.7	433.8	428.3	429.8	434.8	434.3
5°	425.7	427.7	428.3	427.2	431.8	429.3	435.3	429.8	432.3	437.3	437.3
7.5°	423.7	426.2	427.2	428.3	432.3	429.8	436.8	431.3	434.8	440.9	440.4
10°	419.2	422.7	424.7	426.2	430.3	428.8	436.3	431.8	434.8	441.9	441.4
12.5°	416.6	420.7	423.7	426.2	430.8	429.8	437.3	433.3	437.3	444.4	444.4
15°	414.6	419.2	422.7	427.2	431.8	430.8	438.9	435.3	439.4	447.9	447.4
17.5°	409.6	415.1	418.7	423.7	428.3	427.7	436.3	433.8	438.4	446.4	446.9
20°	401.0	406.0	410.1	416.1	421.2	420.2	429.3	426.7	431.3	439.9	440.4
22.5°	389.9	394.9	399.0	405.5	410.1	409.6	418.7	416.1	420.7	428.8	429.3
25°	376.7	381.3	385.3	391.4	396.4	396.4	404.5	402.0	407.0	415.1	415.1
27.5°	360.6	364.6	368.2	375.2	379.3	379.3	386.8	384.3	389.4	396.4	395.9
30°	340.9	344.4	347.5	353.5	357.0	357.6	364.1	361.6	366.6	372.7	372.7
32.5°	317.1	320.7	322.7	330.3	332.8	332.3	337.4	334.8	339.9	346.4	344.9
35°	291.9	293.4	294.9	302.5	303.5	301.5	306.5	304.0	307.6	314.1	313.1
37.5°	263.1	263.6	263.6	270.2	270.7	269.2	272.2	269.2	271.7	277.8	277.3
40°	231.3	230.8	230.3	235.3	234.8	231.8	233.8	231.3	234.8	239.4	236.9
42.5°	199.0	197.5	195.4	198.0	195.9	193.4	194.4	190.4	192.9	196.5	193.4
45°	167.2	164.1	160.1	160.6	158.1	155.0	153.5	149.5	149.0	152.5	150.0
47.5°	137.4	131.3	127.8	125.7	121.7	119.2	116.2	111.6	109.6	111.6	109.1
50°	110.6	104.5	100.0	95.4	91.4	88.4	83.3	80.3	77.3	77.8	75.8
52.5°	87.4	83.3	75.8	72.2	68.2	64.6	60.1	56.6	53.0	53.0	51.0
55°	69.2	63.6	58.6	53.5	49.5	46.5	41.9	38.4	34.8	34.3	32.3
57.5°	53.5	49.5	43.9	38.9	36.4	33.3	28.8	24.7	22.7	21.2	19.7
60°	41.4	37.4	32.8	28.8	25.8	23.7	19.2	16.2	14.1	13.1	11.6
62.5°	33.3	29.8	25.8	21.7	19.7	17.7	14.1	11.6	9.6	8.6	7.6
65°	26.8	23.7	20.7	17.7	16.2	14.1	11.6	9.6	8.1	7.1	6.1
67.5°	20.7	18.7	16.2	14.1	12.6	11.1	9.1	7.6	6.6	5.6	5.1
70°	15.7	14.1	12.6	10.6	9.6	8.6	7.1	5.6	5.1	4.5	4.0
72.5°	12.1	10.6	9.1	8.1	7.1	6.6	5.6	4.5	4.0	3.5	3.0
75°	8.1	7.6	6.6	5.6	5.1	4.5	4.0	3.5	3.0	2.5	2.5
77.5°	5.6	5.1	4.5	4.0	3.5	3.5	3.0	2.5	2.0	2.0	1.5
80°	3.5	3.0	3.0	2.5	2.5	2.5	2.0	1.5	1.5	1.5	1.0
82.5°	2.5	2.0	2.0	1.5	1.5	1.5	1.5	1.0	1.0	1.0	0.5
85°	1.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8
2.5°	430.3	434.8	434.8	438.9	439.4	438.4	433.8	433.8	439.9	443.4	437.3
5°	434.3	438.9	438.9	442.9	444.9	443.4	438.9	439.4	445.4	449.5	443.4
7.5°	437.8	442.4	443.4	447.9	449.5	447.9	443.4	444.4	451.0	454.5	448.5
10°	439.4	443.9	444.4	449.5	451.5	449.5	445.9	446.4	453.5	456.0	450.5
12.5°	442.9	447.4	447.4	453.0	455.0	453.5	449.0	450.0	457.0	459.6	454.0
15°	446.4	451.0	451.0	457.0	459.6	457.5	454.0	454.5	461.6	464.1	459.6
17.5°	446.4	450.5	450.5	457.0	459.6	458.0	454.0	454.5	462.1	464.1	459.6
20°	439.9	444.4	443.4	450.0	452.5	451.0	447.4	447.4	455.0	457.0	452.5
22.5°	429.3	433.3	432.3	438.4	441.4	439.4	436.3	435.8	443.4	445.4	440.9
25°	414.6	418.7	417.6	423.7	426.7	424.2	420.7	421.2	427.2	430.3	426.2
27.5°	397.4	400.0	398.5	404.5	407.5	405.0	401.5	402.0	408.1	410.1	407.0
30°	374.2	376.2	374.7	379.8	381.8	380.3	377.2	377.2	382.8	385.3	382.3
32.5°	346.4	348.0	346.4	350.5	354.5	351.5	348.5	348.5	354.5	356.5	353.0
35°	314.1	315.6	314.6	318.7	321.7	317.7	315.1	314.1	322.2	321.2	319.2
37.5°	278.3	279.3	276.2	283.3	284.8	280.3	278.3	277.3	284.3	283.8	281.8
40°	237.9	238.9	236.9	241.9	242.4	238.9	237.4	235.8	242.9	242.4	240.9
42.5°	194.9	195.4	192.9	197.0	198.0	194.4	193.9	191.9	198.5	197.5	197.0
45°	150.5	150.5	148.5	151.5	152.5	149.5	148.5	148.0	152.5	152.5	151.5
47.5°	109.1	107.6	105.0	109.6	110.1	108.1	107.6	106.1	110.6	110.6	109.6
50°	74.7	74.2	73.7	74.7	75.2	72.7	74.2	72.7	75.2	75.2	75.2
52.5°	50.0	49.5	48.5	49.5	49.5	48.0	48.0	47.5	49.5	49.5	48.5
55°	31.3	30.8	30.3	30.8	30.8	29.3	30.3	29.3	30.3	30.3	29.8
57.5°	19.2	18.2	18.2	17.7	17.7	16.7	17.2	17.2	17.2	17.2	17.2
60°	11.1	10.6	10.1	10.1	10.1	9.6	9.6	9.6	9.6	9.6	9.6
62.5°	7.1	7.1	6.6	6.6	6.6	6.6	6.6	6.1	6.6	6.6	6.6
65°	6.1	5.6	5.6	5.6	5.6	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	5.1	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0
70°	4.0	3.5	3.5	3.5	3.5	3.5	3.0	3.5	3.5	3.0	3.0
72.5°	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.0	0.5	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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CATALOG NUMBER: LD6B10D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8
2.5°	444.4	439.4	436.8	441.9	443.9	441.4	439.4	435.8	439.4	441.4	443.9
5°	450.5	445.9	443.9	447.4	450.5	447.9	446.4	442.9	446.4	447.9	450.5
7.5°	456.0	451.5	449.0	452.5	456.0	452.5	451.0	447.9	451.0	452.5	456.0
10°	458.0	453.0	451.0	454.0	457.5	454.0	452.0	450.0	452.0	454.0	457.5
12.5°	461.6	456.5	454.0	456.5	460.1	456.5	454.5	453.0	454.5	456.5	460.1
15°	466.6	462.1	459.1	461.6	466.1	462.1	459.6	459.1	459.6	462.1	466.1
17.5°	466.6	463.1	460.1	462.1	466.6	463.6	460.1	461.1	460.1	463.6	466.6
20°	460.1	456.5	454.0	454.0	460.6	456.5	453.5	455.0	453.5	456.5	460.6
22.5°	448.5	445.4	442.9	442.4	449.0	445.4	441.4	444.4	441.4	445.4	449.0
25°	433.3	430.3	428.3	427.2	433.8	429.8	426.2	429.3	426.2	429.8	433.8
27.5°	413.6	411.1	409.1	407.5	413.6	410.1	406.5	409.6	406.5	410.1	413.6
30°	388.4	386.8	384.8	382.8	388.9	385.3	381.8	385.8	381.8	385.3	388.9
32.5°	359.1	358.1	355.5	353.5	359.6	355.5	353.0	356.0	353.0	355.5	359.6
35°	325.2	323.7	322.2	318.7	325.2	321.7	321.7	322.7	321.7	321.7	325.2
37.5°	287.4	286.3	284.3	281.3	286.8	284.3	283.3	286.3	283.3	284.3	286.8
40°	244.9	244.4	242.9	239.4	245.4	242.9	241.4	245.4	241.4	242.9	245.4
42.5°	200.5	199.5	198.0	197.5	200.5	198.5	200.0	200.0	200.0	198.5	200.5
45°	154.5	153.5	152.5	150.5	154.0	153.0	152.5	153.5	152.5	153.0	154.0
47.5°	112.1	111.1	110.1	108.6	112.1	110.6	110.6	111.6	110.6	110.6	112.1
50°	75.2	75.8	75.2	74.2	75.2	74.7	75.2	76.3	75.2	74.7	75.2
52.5°	50.0	50.0	49.0	48.5	49.5	49.0	50.5	49.5	50.5	49.0	49.5
55°	30.3	30.8	30.3	29.8	30.3	29.8	31.3	30.8	31.3	29.8	30.3
57.5°	17.2	17.2	17.7	17.2	18.2	17.7	17.7	17.7	17.7	17.7	18.2
60°	9.6	9.6	9.6	9.6	9.6	9.6	10.1	9.6	10.1	9.6	9.6
62.5°	6.6	6.6	6.6	6.1	6.6	6.1	6.6	6.6	6.6	6.1	6.6
65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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: P212781

CATALOG NUMBER: LD6B10D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8
2.5°	441.9	436.8	439.4	444.4	437.3	443.4	439.9	433.8	433.8	438.4	439.4
5°	447.4	443.9	445.9	450.5	443.4	449.5	445.4	439.4	438.9	443.4	444.9
7.5°	452.5	449.0	451.5	456.0	448.5	454.5	451.0	444.4	443.4	447.9	449.5
10°	454.0	451.0	453.0	458.0	450.5	456.0	453.5	446.4	445.9	449.5	451.5
12.5°	456.5	454.0	456.5	461.6	454.0	459.6	457.0	450.0	449.0	453.5	455.0
15°	461.6	459.1	462.1	466.6	459.6	464.1	461.6	454.5	454.0	457.5	459.6
17.5°	462.1	460.1	463.1	466.6	459.6	464.1	462.1	454.5	454.0	458.0	459.6
20°	454.0	454.0	456.5	460.1	452.5	457.0	455.0	447.4	447.4	451.0	452.5
22.5°	442.4	442.9	445.4	448.5	440.9	445.4	443.4	435.8	436.3	439.4	441.4
25°	427.2	428.3	430.3	433.3	426.2	430.3	427.2	421.2	420.7	424.2	426.7
27.5°	407.5	409.1	411.1	413.6	407.0	410.1	408.1	402.0	401.5	405.0	407.5
30°	382.8	384.8	386.8	388.4	382.3	385.3	382.8	377.2	377.2	380.3	381.8
32.5°	353.5	355.5	358.1	359.1	353.0	356.5	354.5	348.5	348.5	351.5	354.5
35°	318.7	322.2	323.7	325.2	319.2	321.2	322.2	314.1	315.1	317.7	321.7
37.5°	281.3	284.3	286.3	287.4	281.8	283.8	284.3	277.3	278.3	280.3	284.8
40°	239.4	242.9	244.4	244.9	240.9	242.4	242.9	235.8	237.4	238.9	242.4
42.5°	197.5	198.0	199.5	200.5	197.0	197.5	198.5	191.9	193.9	194.4	198.0
45°	150.5	152.5	153.5	154.5	151.5	152.5	152.5	148.0	148.5	149.5	152.5
47.5°	108.6	110.1	111.1	112.1	109.6	110.6	110.6	106.1	107.6	108.1	110.1
50°	74.2	75.2	75.8	75.2	75.2	75.2	75.2	72.7	74.2	72.7	75.2
52.5°	48.5	49.0	50.0	50.0	48.5	49.5	49.5	47.5	48.0	48.0	49.5
55°	29.8	30.3	30.8	30.3	29.8	30.3	30.3	29.3	30.3	29.3	30.8
57.5°	17.2	17.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.7	17.7
60°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	10.1
62.5°	6.1	6.6	6.6	6.6	6.6	6.6	6.6	6.1	6.6	6.6	6.6
65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.6
67.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.0	3.5	3.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.5
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: P212781

CATALOG NUMBER: LD6B10D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8
2.5°	438.9	434.8	434.8	430.3	434.3	434.8	429.8	428.3	433.8	427.7	430.8
5°	442.9	438.9	438.9	434.3	437.3	437.3	432.3	429.8	435.3	429.3	431.8
7.5°	447.9	443.4	442.4	437.8	440.4	440.9	434.8	431.3	436.8	429.8	432.3
10°	449.5	444.4	443.9	439.4	441.4	441.9	434.8	431.8	436.3	428.8	430.3
12.5°	453.0	447.4	447.4	442.9	444.4	444.4	437.3	433.3	437.3	429.8	430.8
15°	457.0	451.0	451.0	446.4	447.4	447.9	439.4	435.3	438.9	430.8	431.8
17.5°	457.0	450.5	450.5	446.4	446.9	446.4	438.4	433.8	436.3	427.7	428.3
20°	450.0	443.4	444.4	439.9	440.4	439.9	431.3	426.7	429.3	420.2	421.2
22.5°	438.4	432.3	433.3	429.3	429.3	428.8	420.7	416.1	418.7	409.6	410.1
25°	423.7	417.6	418.7	414.6	415.1	415.1	407.0	402.0	404.5	396.4	396.4
27.5°	404.5	398.5	400.0	397.4	395.9	396.4	389.4	384.3	386.8	379.3	379.3
30°	379.8	374.7	376.2	374.2	372.7	372.7	366.6	361.6	364.1	357.6	357.0
32.5°	350.5	346.4	348.0	346.4	344.9	346.4	339.9	334.8	337.4	332.3	332.8
35°	318.7	314.6	315.6	314.1	313.1	314.1	307.6	304.0	306.5	301.5	303.5
37.5°	283.3	276.2	279.3	278.3	277.3	277.8	271.7	269.2	272.2	269.2	270.7
40°	241.9	236.9	238.9	237.9	236.9	239.4	234.8	231.3	233.8	231.8	234.8
42.5°	197.0	192.9	195.4	194.9	193.4	196.5	192.9	190.4	194.4	193.4	195.9
45°	151.5	148.5	150.5	150.5	150.0	152.5	149.0	149.5	153.5	155.0	158.1
47.5°	109.6	105.0	107.6	109.1	109.1	111.6	109.6	111.6	116.2	119.2	121.7
50°	74.7	73.7	74.2	74.7	75.8	77.8	77.3	80.3	83.3	88.4	91.4
52.5°	49.5	48.5	49.5	50.0	51.0	53.0	53.0	56.6	60.1	64.6	68.2
55°	30.8	30.3	30.8	31.3	32.3	34.3	34.8	38.4	41.9	46.5	49.5
57.5°	17.7	18.2	18.2	19.2	19.7	21.2	22.7	24.7	28.8	33.3	36.4
60°	10.1	10.1	10.6	11.1	11.6	13.1	14.1	16.2	19.2	23.7	25.8
62.5°	6.6	6.6	7.1	7.1	7.6	8.6	9.6	11.6	14.1	17.7	19.7
65°	5.6	5.6	5.6	6.1	6.1	7.1	8.1	9.6	11.6	14.1	16.2
67.5°	4.5	4.5	4.5	5.1	5.1	5.6	6.6	7.6	9.1	11.1	12.6
70°	3.5	3.5	3.5	4.0	4.0	4.5	5.1	5.6	7.1	8.6	9.6
72.5°	2.5	2.5	3.0	3.0	3.0	3.5	4.0	4.5	5.6	6.6	7.1
75°	2.0	2.0	2.0	2.0	2.5	2.5	3.0	3.5	4.0	4.5	5.1
77.5°	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.5	3.0	3.5	3.5
80°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.5	2.5
82.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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: P212781

CATALOG NUMBER: LD6B10D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8
2.5°	427.2	428.8	428.8	427.2	423.2	426.7	430.3	426.7	431.3	423.2	423.2
5°	427.2	428.3	427.7	425.7	421.7	424.7	427.2	423.7	427.2	419.7	419.2
7.5°	428.3	427.2	426.2	423.7	418.7	420.7	423.2	419.2	422.7	414.6	413.6
10°	426.2	424.7	422.7	419.2	413.6	415.1	416.6	413.1	415.6	407.5	407.0
12.5°	426.2	423.7	420.7	416.6	410.6	411.6	413.1	408.6	410.6	403.0	402.0
15°	427.2	422.7	419.2	414.6	408.1	408.6	409.6	404.5	406.5	398.5	398.0
17.5°	423.7	418.7	415.1	409.6	402.5	403.0	403.0	398.0	399.5	391.4	390.9
20°	416.1	410.1	406.0	401.0	393.4	393.4	393.4	388.4	389.4	382.3	381.3
22.5°	405.5	399.0	394.9	389.9	382.8	382.3	381.8	377.8	377.8	371.2	369.7
25°	391.4	385.3	381.3	376.7	369.7	368.7	368.7	365.1	364.6	358.6	357.6
27.5°	375.2	368.2	364.6	360.6	354.0	353.0	352.5	350.5	349.5	342.9	342.4
30°	353.5	347.5	344.4	340.9	334.8	333.8	333.3	331.3	330.8	324.2	324.2
32.5°	330.3	322.7	320.7	317.1	312.6	312.1	312.6	310.1	308.1	303.5	302.5
35°	302.5	294.9	293.4	291.9	288.4	287.4	286.8	286.3	283.8	280.8	279.3
37.5°	270.2	263.6	263.6	263.1	260.6	260.6	260.6	259.6	257.1	256.0	253.0
40°	235.3	230.3	230.8	231.3	230.3	230.8	231.3	230.3	228.3	227.3	224.7
42.5°	198.0	195.4	197.5	199.0	199.0	200.5	201.5	201.5	199.0	198.5	196.5
45°	160.6	160.1	164.1	167.2	168.2	170.7	172.2	171.2	171.2	171.2	169.2
47.5°	125.7	127.8	131.3	137.4	139.4	142.4	143.4	144.9	144.4	144.9	143.4
50°	95.4	100.0	104.5	110.6	113.6	117.2	118.7	120.7	120.7	121.2	120.2
52.5°	72.2	75.8	83.3	87.4	90.9	94.4	96.5	98.5	99.0	99.0	98.0
55°	53.5	58.6	63.6	69.2	72.2	75.8	77.3	79.3	79.3	80.3	79.3
57.5°	38.9	43.9	49.5	53.5	57.1	59.6	61.1	62.6	63.6	63.6	63.1
60°	28.8	32.8	37.4	41.4	44.4	47.0	48.0	49.5	50.0	50.0	49.0
62.5°	21.7	25.8	29.8	33.3	35.4	37.4	38.4	39.4	39.4	39.4	38.9
65°	17.7	20.7	23.7	26.8	28.8	30.3	30.8	31.8	31.3	31.8	31.3
67.5°	14.1	16.2	18.7	20.7	22.2	23.2	23.7	24.7	24.2	24.7	24.2
70°	10.6	12.6	14.1	15.7	16.7	17.7	18.2	18.7	18.2	18.7	18.2
72.5°	8.1	9.1	10.6	12.1	12.6	13.1	13.6	13.6	13.6	14.1	13.6
75°	5.6	6.6	7.6	8.1	9.1	9.6	9.6	10.1	10.1	10.1	10.1
77.5°	4.0	4.5	5.1	5.6	6.1	6.6	6.6	7.1	7.1	7.1	7.1
80°	2.5	3.0	3.0	3.5	4.0	4.0	4.5	4.5	4.5	4.5	4.5
82.5°	1.5	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	0.5	0.5
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: P212781

CATALOG NUMBER: LD6B10D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	433.8	433.8	433.8	433.8
2.5°	427.2	424.7	428.8	422.7
5°	422.7	420.2	425.2	417.6
7.5°	417.1	414.6	419.2	411.6
10°	410.1	407.5	411.6	403.5
12.5°	404.0	401.5	406.0	398.5
15°	399.5	396.9	401.0	393.9
17.5°	392.4	389.4	393.9	386.3
20°	382.3	380.3	383.8	376.2
22.5°	370.7	368.7	372.7	365.1
25°	358.6	356.0	360.1	352.5
27.5°	342.9	340.9	344.9	337.4
30°	324.2	322.2	326.2	319.2
32.5°	303.0	301.0	304.0	298.0
35°	278.8	277.3	280.3	273.7
37.5°	252.5	251.0	254.0	247.5
40°	224.2	222.7	225.2	222.2
42.5°	196.5	194.9	197.5	194.9
45°	169.2	168.2	170.7	168.2
47.5°	143.9	142.9	145.4	142.9
50°	119.7	120.2	121.2	120.2
52.5°	98.0	98.0	99.5	98.0
55°	79.3	79.8	80.3	79.3
57.5°	63.1	63.1	63.6	63.1
60°	49.0	49.5	49.5	49.0
62.5°	38.9	38.9	38.9	38.9
65°	30.8	30.8	31.3	30.8
67.5°	24.2	23.7	24.2	23.7
70°	18.2	18.2	18.2	18.2
72.5°	14.1	14.1	13.6	13.6
75°	10.1	10.6	10.1	10.1
77.5°	7.1	7.1	7.1	7.1
80°	4.5	4.5	4.5	4.5
82.5°	3.0	3.0	3.0	3.0
85°	2.0	1.5	1.5	1.5
87.5°	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)