

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: P212776

Luminaire Tested: **LD6B10D010 EU6B10209027 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212776  
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 EU6B10209027 6LBSWLI1  
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: 834.0 lumens  
Efficiency: N/A  
Efficacy: 83.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

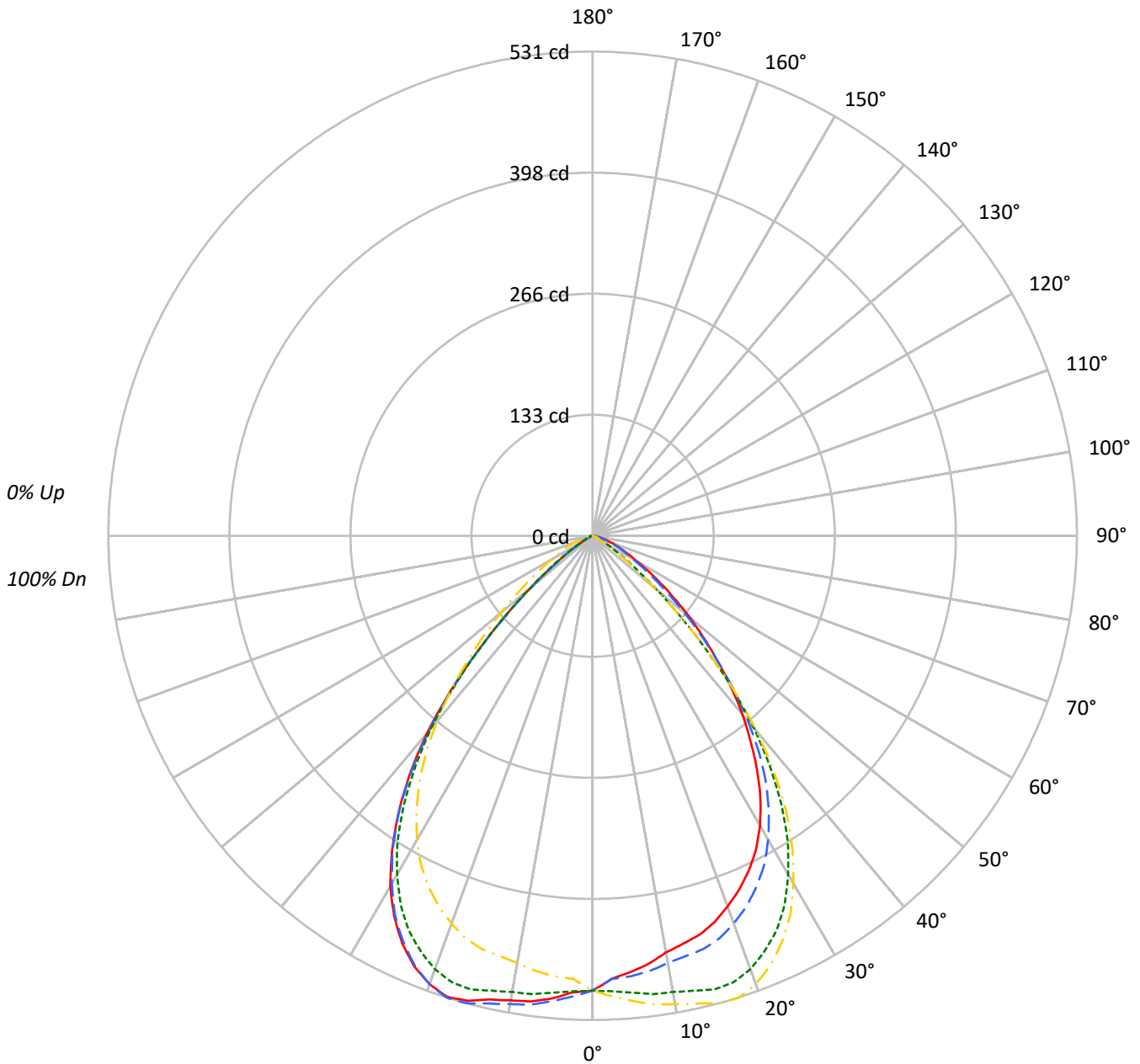
Input Watts (W): 10.05  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P212776

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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	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°	27344	27344	27344	27344
5°	26431	27674	28027	27674
10°	25829	28284	28802	28284
15°	25710	29234	29960	29234
20°	25237	29508	30523	29508
25°	24516	28871	29857	28871
30°	23231	27131	28087	27131
35°	21061	24173	24835	24173
40°	18284	19701	20195	19701
45°	14994	13598	13684	13598
50°	11786	7624	7479	7624
55°	8717	3775	3383	3775
60°	6173	1656	1206	1656
65°	4592	1051	752	1051
70°	3350	833	561	833
75°	2457	614	360	614
80°	1642	537	189	537
85°	1069	377	377	377



TEST NUMBER: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	5.7
10°-20°	141.4	17.0
20°-30°	211.1	25.3
30°-40°	216.9	26.0
40°-50°	140.4	16.8
50°-60°	52.2	6.3
60°-70°	17.1	2.1
70°-80°	6.0	0.7
80°-90°	1.1	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°	400.3	48.0
0°-40°	617.1	74.0
0°-60°	809.7	97.1
0°-90°	834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	499	499	499	499	499	
5°	480	503	509	503	480	45
15°	453	515	528	515	453	127
25°	405	477	494	477	405	186
35°	315	361	371	361	315	195
45°	193	175	176	175	193	150
55°	91	40	35	40	91	83
65°	35	8	6	8	35	36
75°	12	3	2	3	12	13
85°	2	1	1	1	2	2
90°	0	0	0	0	0	



TEST NUMBER: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	486.1	493.0	488.4	491.3	486.6	486.6	495.9	490.7	494.8	490.7	486.6
5°	480.3	489.0	483.2	486.1	482.0	482.6	491.3	487.2	491.3	488.4	484.9
7.5°	473.3	482.0	476.8	479.7	475.6	476.8	486.1	482.0	486.6	483.7	481.4
10°	464.0	473.3	468.6	471.5	468.1	468.6	477.9	475.0	479.1	477.3	475.6
12.5°	458.2	466.9	461.7	464.6	462.2	463.4	472.1	469.8	475.0	473.3	472.1
15°	453.0	461.1	456.4	459.3	457.6	458.2	467.5	465.2	471.0	469.8	469.2
17.5°	444.2	453.0	447.7	451.2	449.5	450.1	459.3	457.6	463.4	463.4	462.8
20°	432.6	441.3	437.3	439.6	438.4	439.6	447.7	446.6	452.4	452.4	452.4
22.5°	419.9	428.6	423.9	426.2	425.1	426.8	434.4	434.4	439.0	439.6	440.2
25°	405.3	414.0	409.4	412.3	411.1	412.3	419.3	419.9	423.9	423.9	425.1
27.5°	387.9	396.6	392.0	394.3	393.7	394.3	401.9	403.0	405.3	405.9	407.1
30°	367.0	375.1	370.5	372.8	372.8	372.8	380.4	380.9	383.3	383.9	385.0
32.5°	342.6	349.6	346.1	348.4	347.8	349.0	354.2	356.6	359.5	358.9	359.5
35°	314.7	322.3	318.8	320.6	321.1	322.9	326.4	329.3	329.8	330.4	331.6
37.5°	284.6	292.1	288.6	290.4	290.9	294.4	295.6	298.5	299.6	299.6	299.6
40°	255.5	259.0	256.1	257.8	258.4	261.3	262.5	264.8	266.0	265.4	264.8
42.5°	224.2	227.1	224.2	225.9	225.9	228.2	228.8	231.7	231.7	230.5	228.8
45°	193.4	196.3	193.4	194.5	194.5	196.9	196.9	196.9	198.0	196.3	193.4
47.5°	164.3	167.2	164.3	165.5	164.9	166.7	166.1	166.7	164.9	163.8	160.3
50°	138.2	139.4	138.2	137.6	138.2	139.4	138.8	138.8	136.5	134.7	130.7
52.5°	112.7	114.4	112.7	112.7	112.7	113.8	113.8	113.2	110.9	108.6	104.5
55°	91.2	92.3	91.8	91.2	91.2	92.3	91.2	91.2	88.8	87.1	83.0
57.5°	72.6	73.2	72.6	72.6	72.6	73.2	73.2	72.0	70.3	68.5	65.6
60°	56.3	56.9	56.9	56.3	56.3	57.5	57.5	56.9	55.2	54.0	51.1
62.5°	44.7	44.7	44.7	44.7	44.7	45.3	45.3	45.3	44.1	43.0	40.7
65°	35.4	36.0	35.4	35.4	36.0	36.6	36.0	36.6	35.4	34.8	33.1
67.5°	27.3	27.9	27.3	27.9	27.9	28.5	27.9	28.5	27.3	26.7	25.6
70°	20.9	20.9	20.9	20.9	20.9	21.5	20.9	21.5	20.9	20.3	19.2
72.5°	15.7	15.7	16.3	16.3	15.7	16.3	15.7	15.7	15.7	15.1	14.5
75°	11.6	11.6	12.2	11.6	11.6	11.6	11.6	11.6	11.0	11.0	10.5
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.5	7.5	7.0
80°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.6	4.6
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.9	2.9
85°	1.7	1.7	1.7	2.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.6	0.6	0.6	1.2	0.6	0.6	1.2	1.2	0.6	0.6	0.6
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: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	491.3	493.0	493.0	491.3	495.3	491.9	498.8	492.4	494.2	500.0	499.4
5°	489.5	491.9	492.4	491.3	496.5	493.6	500.6	494.2	497.1	502.9	502.9
7.5°	487.2	490.1	491.3	492.4	497.1	494.2	502.3	495.9	500.0	507.0	506.4
10°	482.0	486.1	488.4	490.1	494.8	493.0	501.7	496.5	500.0	508.1	507.5
12.5°	479.1	483.7	487.2	490.1	495.3	494.2	502.9	498.3	502.9	511.0	511.0
15°	476.8	482.0	486.1	491.3	496.5	495.3	504.6	500.6	505.2	515.1	514.5
17.5°	471.0	477.3	481.4	487.2	492.4	491.9	501.7	498.8	504.1	513.4	513.9
20°	461.1	466.9	471.5	478.5	484.3	483.2	493.6	490.7	495.9	505.8	506.4
22.5°	448.3	454.1	458.8	466.3	471.5	471.0	481.4	478.5	483.7	493.0	493.6
25°	433.2	438.4	443.1	450.1	455.9	455.9	465.2	462.2	468.1	477.3	477.3
27.5°	414.6	419.3	423.3	431.5	436.1	436.1	444.8	441.9	447.7	455.9	455.3
30°	392.0	396.0	399.5	406.5	410.6	411.1	418.7	415.8	421.6	428.6	428.6
32.5°	364.7	368.8	371.1	379.8	382.7	382.1	387.9	385.0	390.8	398.4	396.6
35°	335.7	337.4	339.1	347.8	349.0	346.7	352.5	349.6	353.7	361.2	360.0
37.5°	302.6	303.1	303.1	310.7	311.3	309.5	313.0	309.5	312.4	319.4	318.8
40°	266.0	265.4	264.8	270.6	270.0	266.5	268.9	266.0	270.0	275.3	272.4
42.5°	228.8	227.1	224.7	227.6	225.3	222.4	223.6	218.9	221.8	225.9	222.4
45°	192.2	188.7	184.1	184.7	181.8	178.3	176.5	171.9	171.3	175.4	172.5
47.5°	158.0	151.0	146.9	144.6	140.0	137.0	133.6	128.3	126.0	128.3	125.4
50°	127.2	120.2	115.0	109.8	105.1	101.6	95.8	92.3	88.8	89.4	87.1
52.5°	100.5	95.8	87.1	83.0	78.4	74.3	69.1	65.0	61.0	61.0	58.7
55°	79.6	73.2	67.4	61.6	56.9	53.4	48.2	44.1	40.1	39.5	37.2
57.5°	61.6	56.9	50.5	44.7	41.8	38.3	33.1	28.5	26.1	24.4	22.6
60°	47.6	43.0	37.7	33.1	29.6	27.3	22.1	18.6	16.3	15.1	13.4
62.5°	38.3	34.3	29.6	25.0	22.6	20.3	16.3	13.4	11.0	9.9	8.7
65°	30.8	27.3	23.8	20.3	18.6	16.3	13.4	11.0	9.3	8.1	7.0
67.5°	23.8	21.5	18.6	16.3	14.5	12.8	10.5	8.7	7.5	6.4	5.8
70°	18.0	16.3	14.5	12.2	11.0	9.9	8.1	6.4	5.8	5.2	4.6
72.5°	13.9	12.2	10.5	9.3	8.1	7.5	6.4	5.2	4.6	4.1	3.5
75°	9.3	8.7	7.5	6.4	5.8	5.2	4.6	4.1	3.5	2.9	2.9
77.5°	6.4	5.8	5.2	4.6	4.1	4.1	3.5	2.9	2.3	2.3	1.7
80°	4.1	3.5	3.5	2.9	2.9	2.9	2.3	1.7	1.7	1.7	1.2
82.5°	2.9	2.3	2.3	1.7	1.7	1.7	1.7	1.2	1.2	1.2	0.6
85°	1.7	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	494.8	500.0	500.0	504.6	505.2	504.1	498.8	498.8	505.8	509.9	502.9
5°	499.4	504.6	504.6	509.3	511.6	509.9	504.6	505.2	512.2	516.8	509.9
7.5°	503.5	508.7	509.9	515.1	516.8	515.1	509.9	511.0	518.6	522.6	515.7
10°	505.2	510.4	511.0	516.8	519.2	516.8	512.8	513.4	521.5	524.4	518.0
12.5°	509.3	514.5	514.5	520.9	523.2	521.5	516.3	517.4	525.5	528.5	522.1
15°	513.4	518.6	518.6	525.5	528.5	526.1	522.1	522.6	530.8	533.7	528.5
17.5°	513.4	518.0	518.0	525.5	528.5	526.7	522.1	522.6	531.4	533.7	528.5
20°	505.8	511.0	509.9	517.4	520.3	518.6	514.5	514.5	523.2	525.5	520.3
22.5°	493.6	498.3	497.1	504.1	507.5	505.2	501.7	501.2	509.9	512.2	507.0
25°	476.8	481.4	480.3	487.2	490.7	487.8	483.7	484.3	491.3	494.8	490.1
27.5°	457.0	459.9	458.2	465.2	468.6	465.7	461.7	462.2	469.2	471.5	468.1
30°	430.3	432.6	430.9	436.7	439.0	437.3	433.8	433.8	440.2	443.1	439.6
32.5°	398.4	400.1	398.4	403.0	407.7	404.2	400.7	400.7	407.7	410.0	405.9
35°	361.2	362.9	361.8	366.4	369.9	365.3	362.4	361.2	370.5	369.3	367.0
37.5°	320.0	321.1	317.7	325.8	327.5	322.3	320.0	318.8	326.9	326.4	324.0
40°	273.5	274.7	272.4	278.2	278.7	274.7	272.9	271.2	279.3	278.7	277.0
42.5°	224.2	224.7	221.8	226.5	227.6	223.6	223.0	220.7	228.2	227.1	226.5
45°	173.1	173.1	170.7	174.2	175.4	171.9	170.7	170.1	175.4	175.4	174.2
47.5°	125.4	123.7	120.8	126.0	126.6	124.3	123.7	122.0	127.2	127.2	126.0
50°	85.9	85.4	84.8	85.9	86.5	83.6	85.4	83.6	86.5	86.5	86.5
52.5°	57.5	56.9	55.7	56.9	56.9	55.2	55.2	54.6	56.9	56.9	55.7
55°	36.0	35.4	34.8	35.4	35.4	33.7	34.8	33.7	34.8	34.8	34.3
57.5°	22.1	20.9	20.9	20.3	20.3	19.2	19.7	19.7	19.7	19.7	19.7
60°	12.8	12.2	11.6	11.6	11.6	11.0	11.0	11.0	11.0	11.0	11.0
62.5°	8.1	8.1	7.5	7.5	7.5	7.5	7.5	7.0	7.5	7.5	7.5
65°	7.0	6.4	6.4	6.4	6.4	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	5.8	5.2	5.2	5.2	5.2	4.6	4.6	4.6	4.6	4.6	4.6
70°	4.6	4.1	4.1	4.1	4.1	4.1	3.5	4.1	4.1	3.5	3.5
72.5°	3.5	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.3	2.3	2.3	2.3	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.6	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: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	511.0	505.2	502.3	508.1	510.4	507.5	505.2	501.2	505.2	507.5	510.4
5°	518.0	512.8	510.4	514.5	518.0	515.1	513.4	509.3	513.4	515.1	518.0
7.5°	524.4	519.2	516.3	520.3	524.4	520.3	518.6	515.1	518.6	520.3	524.4
10°	526.7	520.9	518.6	522.1	526.1	522.1	519.7	517.4	519.7	522.1	526.1
12.5°	530.8	525.0	522.1	525.0	529.0	525.0	522.6	520.9	522.6	525.0	529.0
15°	536.6	531.4	527.9	530.8	536.0	531.4	528.5	527.9	528.5	531.4	536.0
17.5°	536.6	532.5	529.0	531.4	536.6	533.1	529.0	530.2	529.0	533.1	536.6
20°	529.0	525.0	522.1	522.1	529.6	525.0	521.5	523.2	521.5	525.0	529.6
22.5°	515.7	512.2	509.3	508.7	516.3	512.2	507.5	511.0	507.5	512.2	516.3
25°	498.3	494.8	492.4	491.3	498.8	494.2	490.1	493.6	490.1	494.2	498.8
27.5°	475.6	472.7	470.4	468.6	475.6	471.5	467.5	471.0	467.5	471.5	475.6
30°	446.6	444.8	442.5	440.2	447.2	443.1	439.0	443.7	439.0	443.1	447.2
32.5°	412.9	411.7	408.8	406.5	413.5	408.8	405.9	409.4	405.9	408.8	413.5
35°	374.0	372.2	370.5	366.4	374.0	369.9	369.9	371.1	369.9	369.9	374.0
37.5°	330.4	329.3	326.9	323.5	329.8	326.9	325.8	329.3	325.8	326.9	329.8
40°	281.6	281.1	279.3	275.3	282.2	279.3	277.6	282.2	277.6	279.3	282.2
42.5°	230.5	229.4	227.6	227.1	230.5	228.2	230.0	230.0	230.0	228.2	230.5
45°	177.7	176.5	175.4	173.1	177.1	176.0	175.4	176.5	175.4	176.0	177.1
47.5°	128.9	127.8	126.6	124.9	128.9	127.2	127.2	128.3	127.2	127.2	128.9
50°	86.5	87.1	86.5	85.4	86.5	85.9	86.5	87.7	86.5	85.9	86.5
52.5°	57.5	57.5	56.3	55.7	56.9	56.3	58.1	56.9	58.1	56.3	56.9
55°	34.8	35.4	34.8	34.3	34.8	34.3	36.0	35.4	36.0	34.3	34.8
57.5°	19.7	19.7	20.3	19.7	20.9	20.3	20.3	20.3	20.3	20.3	20.9
60°	11.0	11.0	11.0	11.0	11.0	11.0	11.6	11.0	11.6	11.0	11.0
62.5°	7.5	7.5	7.5	7.0	7.5	7.0	7.5	7.5	7.5	7.0	7.5
65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	508.1	502.3	505.2	511.0	502.9	509.9	505.8	498.8	498.8	504.1	505.2
5°	514.5	510.4	512.8	518.0	509.9	516.8	512.2	505.2	504.6	509.9	511.6
7.5°	520.3	516.3	519.2	524.4	515.7	522.6	518.6	511.0	509.9	515.1	516.8
10°	522.1	518.6	520.9	526.7	518.0	524.4	521.5	513.4	512.8	516.8	519.2
12.5°	525.0	522.1	525.0	530.8	522.1	528.5	525.5	517.4	516.3	521.5	523.2
15°	530.8	527.9	531.4	536.6	528.5	533.7	530.8	522.6	522.1	526.1	528.5
17.5°	531.4	529.0	532.5	536.6	528.5	533.7	531.4	522.6	522.1	526.7	528.5
20°	522.1	522.1	525.0	529.0	520.3	525.5	523.2	514.5	514.5	518.6	520.3
22.5°	508.7	509.3	512.2	515.7	507.0	512.2	509.9	501.2	501.7	505.2	507.5
25°	491.3	492.4	494.8	498.3	490.1	494.8	491.3	484.3	483.7	487.8	490.7
27.5°	468.6	470.4	472.7	475.6	468.1	471.5	469.2	462.2	461.7	465.7	468.6
30°	440.2	442.5	444.8	446.6	439.6	443.1	440.2	433.8	433.8	437.3	439.0
32.5°	406.5	408.8	411.7	412.9	405.9	410.0	407.7	400.7	400.7	404.2	407.7
35°	366.4	370.5	372.2	374.0	367.0	369.3	370.5	361.2	362.4	365.3	369.9
37.5°	323.5	326.9	329.3	330.4	324.0	326.4	326.9	318.8	320.0	322.3	327.5
40°	275.3	279.3	281.1	281.6	277.0	278.7	279.3	271.2	272.9	274.7	278.7
42.5°	227.1	227.6	229.4	230.5	226.5	227.1	228.2	220.7	223.0	223.6	227.6
45°	173.1	175.4	176.5	177.7	174.2	175.4	175.4	170.1	170.7	171.9	175.4
47.5°	124.9	126.6	127.8	128.9	126.0	127.2	127.2	122.0	123.7	124.3	126.6
50°	85.4	86.5	87.1	86.5	86.5	86.5	86.5	83.6	85.4	83.6	86.5
52.5°	55.7	56.3	57.5	57.5	55.7	56.9	56.9	54.6	55.2	55.2	56.9
55°	34.3	34.8	35.4	34.8	34.3	34.8	34.8	33.7	34.8	33.7	35.4
57.5°	19.7	20.3	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.2	20.3
60°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.6
62.5°	7.0	7.5	7.5	7.5	7.5	7.5	7.5	7.0	7.5	7.5	7.5
65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.4
67.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.2
70°	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.1	3.5	4.1	4.1
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.6
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: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	504.6	500.0	500.0	494.8	499.4	500.0	494.2	492.4	498.8	491.9	495.3
5°	509.3	504.6	504.6	499.4	502.9	502.9	497.1	494.2	500.6	493.6	496.5
7.5°	515.1	509.9	508.7	503.5	506.4	507.0	500.0	495.9	502.3	494.2	497.1
10°	516.8	511.0	510.4	505.2	507.5	508.1	500.0	496.5	501.7	493.0	494.8
12.5°	520.9	514.5	514.5	509.3	511.0	511.0	502.9	498.3	502.9	494.2	495.3
15°	525.5	518.6	518.6	513.4	514.5	515.1	505.2	500.6	504.6	495.3	496.5
17.5°	525.5	518.0	518.0	513.4	513.9	513.4	504.1	498.8	501.7	491.9	492.4
20°	517.4	509.9	511.0	505.8	506.4	505.8	495.9	490.7	493.6	483.2	484.3
22.5°	504.1	497.1	498.3	493.6	493.6	493.0	483.7	478.5	481.4	471.0	471.5
25°	487.2	480.3	481.4	476.8	477.3	477.3	468.1	462.2	465.2	455.9	455.9
27.5°	465.2	458.2	459.9	457.0	455.3	455.9	447.7	441.9	444.8	436.1	436.1
30°	436.7	430.9	432.6	430.3	428.6	428.6	421.6	415.8	418.7	411.1	410.6
32.5°	403.0	398.4	400.1	398.4	396.6	398.4	390.8	385.0	387.9	382.1	382.7
35°	366.4	361.8	362.9	361.2	360.0	361.2	353.7	349.6	352.5	346.7	349.0
37.5°	325.8	317.7	321.1	320.0	318.8	319.4	312.4	309.5	313.0	309.5	311.3
40°	278.2	272.4	274.7	273.5	272.4	275.3	270.0	266.0	268.9	266.5	270.0
42.5°	226.5	221.8	224.7	224.2	222.4	225.9	221.8	218.9	223.6	222.4	225.3
45°	174.2	170.7	173.1	173.1	172.5	175.4	171.3	171.9	176.5	178.3	181.8
47.5°	126.0	120.8	123.7	125.4	125.4	128.3	126.0	128.3	133.6	137.0	140.0
50°	85.9	84.8	85.4	85.9	87.1	89.4	88.8	92.3	95.8	101.6	105.1
52.5°	56.9	55.7	56.9	57.5	58.7	61.0	61.0	65.0	69.1	74.3	78.4
55°	35.4	34.8	35.4	36.0	37.2	39.5	40.1	44.1	48.2	53.4	56.9
57.5°	20.3	20.9	20.9	22.1	22.6	24.4	26.1	28.5	33.1	38.3	41.8
60°	11.6	11.6	12.2	12.8	13.4	15.1	16.3	18.6	22.1	27.3	29.6
62.5°	7.5	7.5	8.1	8.1	8.7	9.9	11.0	13.4	16.3	20.3	22.6
65°	6.4	6.4	6.4	7.0	7.0	8.1	9.3	11.0	13.4	16.3	18.6
67.5°	5.2	5.2	5.2	5.8	5.8	6.4	7.5	8.7	10.5	12.8	14.5
70°	4.1	4.1	4.1	4.6	4.6	5.2	5.8	6.4	8.1	9.9	11.0
72.5°	2.9	2.9	3.5	3.5	3.5	4.1	4.6	5.2	6.4	7.5	8.1
75°	2.3	2.3	2.3	2.3	2.9	2.9	3.5	4.1	4.6	5.2	5.8
77.5°	1.2	1.2	1.7	1.7	1.7	2.3	2.3	2.9	3.5	4.1	4.1
80°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	2.3	2.9	2.9
82.5°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	491.3	493.0	493.0	491.3	486.6	490.7	494.8	490.7	495.9	486.6	486.6
5°	491.3	492.4	491.9	489.5	484.9	488.4	491.3	487.2	491.3	482.6	482.0
7.5°	492.4	491.3	490.1	487.2	481.4	483.7	486.6	482.0	486.1	476.8	475.6
10°	490.1	488.4	486.1	482.0	475.6	477.3	479.1	475.0	477.9	468.6	468.1
12.5°	490.1	487.2	483.7	479.1	472.1	473.3	475.0	469.8	472.1	463.4	462.2
15°	491.3	486.1	482.0	476.8	469.2	469.8	471.0	465.2	467.5	458.2	457.6
17.5°	487.2	481.4	477.3	471.0	462.8	463.4	463.4	457.6	459.3	450.1	449.5
20°	478.5	471.5	466.9	461.1	452.4	452.4	452.4	446.6	447.7	439.6	438.4
22.5°	466.3	458.8	454.1	448.3	440.2	439.6	439.0	434.4	434.4	426.8	425.1
25°	450.1	443.1	438.4	433.2	425.1	423.9	423.9	419.9	419.3	412.3	411.1
27.5°	431.5	423.3	419.3	414.6	407.1	405.9	405.3	403.0	401.9	394.3	393.7
30°	406.5	399.5	396.0	392.0	385.0	383.9	383.3	380.9	380.4	372.8	372.8
32.5°	379.8	371.1	368.8	364.7	359.5	358.9	359.5	356.6	354.2	349.0	347.8
35°	347.8	339.1	337.4	335.7	331.6	330.4	329.8	329.3	326.4	322.9	321.1
37.5°	310.7	303.1	303.1	302.6	299.6	299.6	299.6	298.5	295.6	294.4	290.9
40°	270.6	264.8	265.4	266.0	264.8	265.4	266.0	264.8	262.5	261.3	258.4
42.5°	227.6	224.7	227.1	228.8	228.8	230.5	231.7	231.7	228.8	228.2	225.9
45°	184.7	184.1	188.7	192.2	193.4	196.3	198.0	196.9	196.9	196.9	194.5
47.5°	144.6	146.9	151.0	158.0	160.3	163.8	164.9	166.7	166.1	166.7	164.9
50°	109.8	115.0	120.2	127.2	130.7	134.7	136.5	138.8	138.8	139.4	138.2
52.5°	83.0	87.1	95.8	100.5	104.5	108.6	110.9	113.2	113.8	113.8	112.7
55°	61.6	67.4	73.2	79.6	83.0	87.1	88.8	91.2	91.2	92.3	91.2
57.5°	44.7	50.5	56.9	61.6	65.6	68.5	70.3	72.0	73.2	73.2	72.6
60°	33.1	37.7	43.0	47.6	51.1	54.0	55.2	56.9	57.5	57.5	56.3
62.5°	25.0	29.6	34.3	38.3	40.7	43.0	44.1	45.3	45.3	45.3	44.7
65°	20.3	23.8	27.3	30.8	33.1	34.8	35.4	36.6	36.0	36.6	36.0
67.5°	16.3	18.6	21.5	23.8	25.6	26.7	27.3	28.5	27.9	28.5	27.9
70°	12.2	14.5	16.3	18.0	19.2	20.3	20.9	21.5	20.9	21.5	20.9
72.5°	9.3	10.5	12.2	13.9	14.5	15.1	15.7	15.7	15.7	16.3	15.7
75°	6.4	7.5	8.7	9.3	10.5	11.0	11.0	11.6	11.6	11.6	11.6
77.5°	4.6	5.2	5.8	6.4	7.0	7.5	7.5	8.1	8.1	8.1	8.1
80°	2.9	3.5	3.5	4.1	4.6	4.6	5.2	5.2	5.2	5.2	5.2
82.5°	1.7	2.3	2.3	2.9	2.9	2.9	3.5	3.5	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	0.6	0.6
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: P212776

CATALOG NUMBER: LD6B10D010 EU6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	498.8	498.8	498.8	498.8
2.5°	491.3	488.4	493.0	486.1
5°	486.1	483.2	489.0	480.3
7.5°	479.7	476.8	482.0	473.3
10°	471.5	468.6	473.3	464.0
12.5°	464.6	461.7	466.9	458.2
15°	459.3	456.4	461.1	453.0
17.5°	451.2	447.7	453.0	444.2
20°	439.6	437.3	441.3	432.6
22.5°	426.2	423.9	428.6	419.9
25°	412.3	409.4	414.0	405.3
27.5°	394.3	392.0	396.6	387.9
30°	372.8	370.5	375.1	367.0
32.5°	348.4	346.1	349.6	342.6
35°	320.6	318.8	322.3	314.7
37.5°	290.4	288.6	292.1	284.6
40°	257.8	256.1	259.0	255.5
42.5°	225.9	224.2	227.1	224.2
45°	194.5	193.4	196.3	193.4
47.5°	165.5	164.3	167.2	164.3
50°	137.6	138.2	139.4	138.2
52.5°	112.7	112.7	114.4	112.7
55°	91.2	91.8	92.3	91.2
57.5°	72.6	72.6	73.2	72.6
60°	56.3	56.9	56.9	56.3
62.5°	44.7	44.7	44.7	44.7
65°	35.4	35.4	36.0	35.4
67.5°	27.9	27.3	27.9	27.3
70°	20.9	20.9	20.9	20.9
72.5°	16.3	16.3	15.7	15.7
75°	11.6	12.2	11.6	11.6
77.5°	8.1	8.1	8.1	8.1
80°	5.2	5.2	5.2	5.2
82.5°	3.5	3.5	3.5	3.5
85°	2.3	1.7	1.7	1.7
87.5°	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)