

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: PORTFOLIO

Report Number: P212776

Luminaire Tested: **LE\_6B10D010 EC6B10209027 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: PORTFOLIO  
Catalog Number: LE\_6B10D010 EC6B10209027 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: 1042.5 lumens  
Efficiency: N/A  
Efficacy: 104.3 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

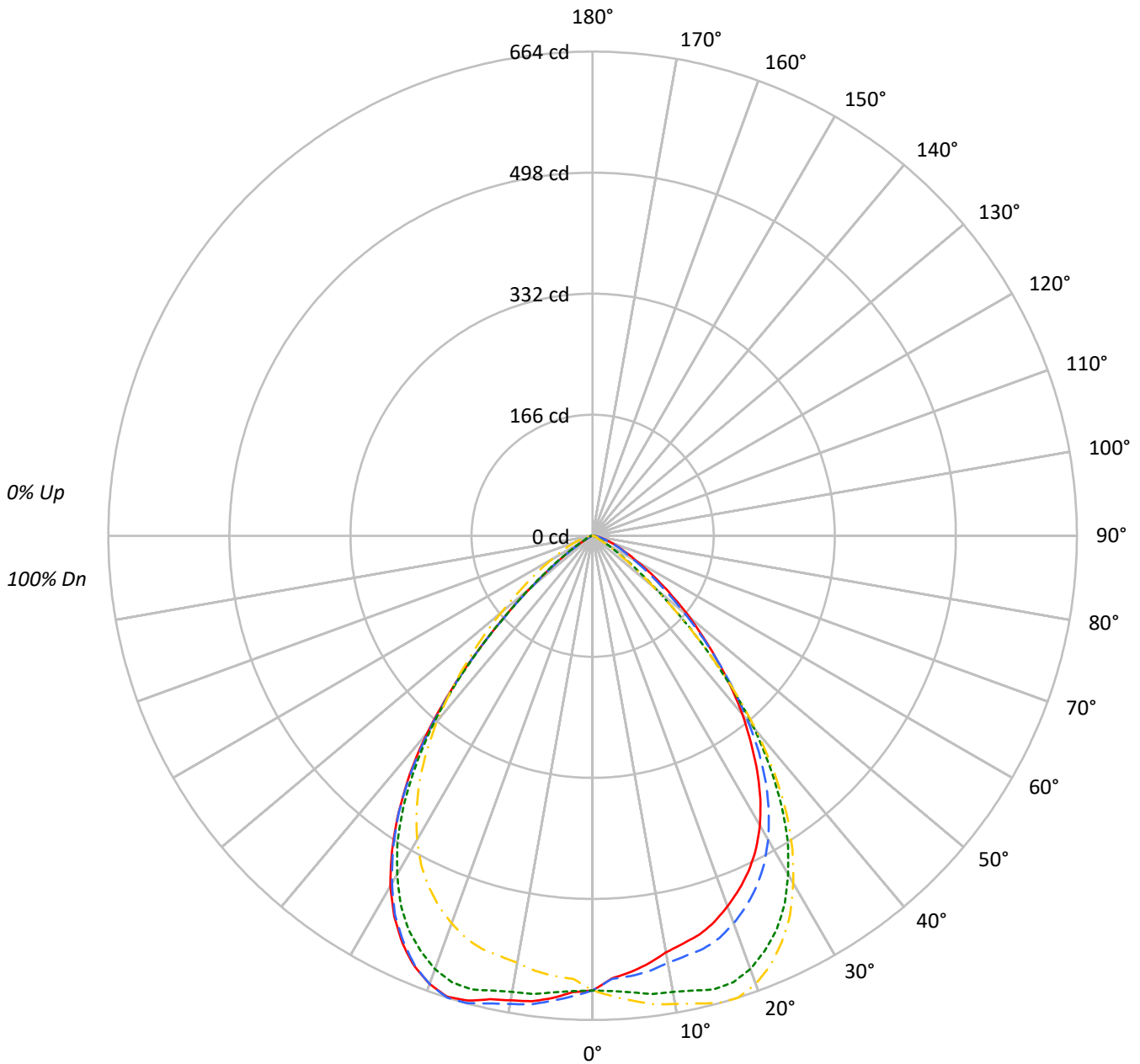
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212776

CATALOG NUMBER: LE\_6B10D010 EC6B10209027 6LBSWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P212776

CATALOG NUMBER: LE\_6B10D010 EC6B10209027 6LBSWL11

**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°	34180	34180	34180	34180
5°	33040	34592	35032	34592
10°	32286	35353	36005	35353
15°	32134	36544	37452	36544
20°	31549	36882	38153	36882
25°	30643	36087	37321	36087
30°	29042	33917	35107	33917
35°	26328	30216	31046	30216
40°	22857	24625	25247	24625
45°	18746	16994	17103	16994
50°	14737	9535	9347	9535
55°	10896	4721	4224	4721
60°	7719	2072	1513	2072
65°	5733	1310	934	1310
70°	4183	1042	705	1042
75°	3071	763	445	763
80°	2052	663	253	663
85°	1321	503	503	503



TEST NUMBER: P212776

CATALOG NUMBER: LE\_6B10D010 EC6B10209027 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	5.7
10°-20°	176.8	17.0
20°-30°	263.8	25.3
30°-40°	271.1	26.0
40°-50°	175.5	16.8
50°-60°	65.3	6.3
60°-70°	21.4	2.1
70°-80°	7.5	0.7
80°-90°	1.4	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°	500.3	48.0
0°-40°	771.4	74.0
0°-60°	1012.2	97.1
0°-90°	1042.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	624	624	624	624	624	
5°	600	629	637	629	600	57
15°	566	644	660	644	566	159
25°	507	597	617	597	507	232
35°	393	452	464	452	393	244
45°	242	219	221	219	242	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	



TEST NUMBER: P212776

CATALOG NUMBER: LE\_6B10D010 EC6B10209027 6LBSWL11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	607.6	616.2	610.5	614.1	608.2	608.2	619.9	613.4	618.5	613.4	608.2
5°	600.4	611.2	604.0	607.6	602.5	603.2	614.1	609.0	614.1	610.5	606.1
7.5°	591.6	602.5	596.0	599.6	594.5	596.0	607.6	602.5	608.2	604.6	601.8
10°	580.0	591.6	585.8	589.4	585.1	585.8	597.4	593.8	598.9	596.6	594.5
12.5°	572.8	583.6	577.1	580.8	577.8	579.2	590.1	587.2	593.8	591.6	590.1
15°	566.2	576.4	570.5	574.1	572.0	572.8	584.4	581.5	588.8	587.2	586.5
17.5°	555.2	566.2	559.6	564.0	561.9	562.6	574.1	572.0	579.2	579.2	578.5
20°	540.8	551.6	546.6	549.5	548.0	549.5	559.6	558.2	565.5	565.5	565.5
22.5°	524.9	535.8	529.9	532.8	531.4	533.5	543.0	543.0	548.8	549.5	550.2
25°	506.6	517.5	511.8	515.4	513.9	515.4	524.1	524.9	529.9	529.9	531.4
27.5°	484.9	495.8	490.0	492.9	492.1	492.9	502.4	503.8	506.6	507.4	508.9
30°	458.8	468.9	463.1	466.0	466.0	466.0	475.5	476.1	479.1	479.9	481.2
32.5°	428.2	437.0	432.6	435.5	434.8	436.2	442.8	445.8	449.4	448.6	449.4
35°	393.4	402.9	398.5	400.8	401.4	403.6	408.0	411.6	412.2	413.0	414.5
37.5°	355.8	365.1	360.8	363.0	363.6	368.0	369.5	373.1	374.5	374.5	374.5
40°	319.4	323.8	320.1	322.2	323.0	326.6	328.1	331.0	332.5	331.8	331.0
42.5°	280.2	283.9	280.2	282.4	282.4	285.2	286.0	289.6	289.6	288.1	286.0
45°	241.8	245.4	241.8	243.1	243.1	246.1	246.1	246.1	247.5	245.4	241.8
47.5°	205.4	209.0	205.4	206.9	206.1	208.4	207.6	208.4	206.1	204.8	200.4
50°	172.8	174.2	172.8	172.0	172.8	174.2	173.5	173.5	170.6	168.4	163.4
52.5°	140.9	143.0	140.9	140.9	140.9	142.2	142.2	141.5	138.6	135.8	130.6
55°	114.0	115.4	114.8	114.0	114.0	115.4	114.0	114.0	111.0	108.9	103.8
57.5°	90.8	91.5	90.8	90.8	90.8	91.5	91.5	90.0	87.9	85.6	82.0
60°	70.4	71.1	71.1	70.4	70.4	71.9	71.9	71.1	69.0	67.5	63.9
62.5°	55.9	55.9	55.9	55.9	55.9	56.6	56.6	56.6	55.1	53.8	50.9
65°	44.2	45.0	44.2	44.2	45.0	45.8	45.0	45.8	44.2	43.5	41.4
67.5°	34.1	34.9	34.1	34.9	34.9	35.6	34.9	35.6	34.1	33.4	32.0
70°	26.1	26.1	26.1	26.1	26.1	26.9	26.1	26.9	26.1	25.4	24.0
72.5°	19.6	19.6	20.4	20.4	19.6	20.4	19.6	19.6	19.6	18.9	18.1
75°	14.5	14.5	15.2	14.5	14.5	14.5	14.5	14.5	13.8	13.8	13.1
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.4	9.4	8.8
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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.6	3.6
85°	2.1	2.1	2.1	2.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	0.8	0.8	0.8	1.5	0.8	0.8	1.5	1.5	0.8	0.8	0.8
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: LE\_6B10D010 EC6B10209027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	614.1	616.2	616.2	614.1	619.1	614.9	623.5	615.5	617.8	625.0	624.2
5°	611.9	614.9	615.5	614.1	620.6	617.0	625.8	617.8	621.4	628.6	628.6
7.5°	609.0	612.6	614.1	615.5	621.4	617.8	627.9	619.9	625.0	633.8	633.0
10°	602.5	607.6	610.5	612.6	618.5	616.2	627.1	620.6	625.0	635.1	634.4
12.5°	598.9	604.6	609.0	612.6	619.1	617.8	628.6	622.9	628.6	638.8	638.8
15°	596.0	602.5	607.6	614.1	620.6	619.1	630.8	625.8	631.5	643.9	643.1
17.5°	588.8	596.6	601.8	609.0	615.5	614.9	627.1	623.5	630.1	641.8	642.4
20°	576.4	583.6	589.4	598.1	605.4	604.0	617.0	613.4	619.9	632.2	633.0
22.5°	560.4	567.6	573.5	582.9	589.4	588.8	601.8	598.1	604.6	616.2	617.0
25°	541.5	548.0	553.9	562.6	569.9	569.9	581.5	577.8	585.1	596.6	596.6
27.5°	518.2	524.1	529.1	539.4	545.1	545.1	556.0	552.4	559.6	569.9	569.1
30°	490.0	495.0	499.4	508.1	513.2	513.9	523.4	519.8	527.0	535.8	535.8
32.5°	455.9	461.0	463.9	474.8	478.4	477.6	484.9	481.2	488.5	498.0	495.8
35°	419.6	421.8	423.9	434.8	436.2	433.4	440.6	437.0	442.1	451.5	450.0
37.5°	378.2	378.9	378.9	388.4	389.1	386.9	391.2	386.9	390.5	399.2	398.5
40°	332.5	331.8	331.0	338.2	337.5	333.1	336.1	332.5	337.5	344.1	340.5
42.5°	286.0	283.9	280.9	284.5	281.6	278.0	279.5	273.6	277.2	282.4	278.0
45°	240.2	235.9	230.1	230.9	227.2	222.9	220.6	214.9	214.1	219.2	215.6
47.5°	197.5	188.8	183.6	180.8	175.0	171.2	167.0	160.4	157.5	160.4	156.8
50°	159.0	150.2	143.8	137.2	131.4	127.0	119.8	115.4	111.0	111.8	108.9
52.5°	125.6	119.8	108.9	103.8	98.0	92.9	86.4	81.2	76.2	76.2	73.4
55°	99.5	91.5	84.2	77.0	71.1	66.8	60.2	55.1	50.1	49.4	46.5
57.5°	77.0	71.1	63.1	55.9	52.2	47.9	41.4	35.6	32.6	30.5	28.2
60°	59.5	53.8	47.1	41.4	37.0	34.1	27.6	23.2	20.4	18.9	16.8
62.5°	47.9	42.9	37.0	31.2	28.2	25.4	20.4	16.8	13.8	12.4	10.9
65°	38.5	34.1	29.8	25.4	23.2	20.4	16.8	13.8	11.6	10.1	8.8
67.5°	29.8	26.9	23.2	20.4	18.1	16.0	13.1	10.9	9.4	8.0	7.2
70°	22.5	20.4	18.1	15.2	13.8	12.4	10.1	8.0	7.2	6.5	5.8
72.5°	17.4	15.2	13.1	11.6	10.1	9.4	8.0	6.5	5.8	5.1	4.4
75°	11.6	10.9	9.4	8.0	7.2	6.5	5.8	5.1	4.4	3.6	3.6
77.5°	8.0	7.2	6.5	5.8	5.1	5.1	4.4	3.6	2.9	2.9	2.1
80°	5.1	4.4	4.4	3.6	3.6	3.6	2.9	2.1	2.1	2.1	1.5
82.5°	3.6	2.9	2.9	2.1	2.1	2.1	2.1	1.5	1.5	1.5	0.8
85°	2.1	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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: LE\_6B10D010 EC6B10209027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	618.5	625.0	625.0	630.8	631.5	630.1	623.5	623.5	632.2	637.4	628.6
5°	624.2	630.8	630.8	636.6	639.5	637.4	630.8	631.5	640.2	646.0	637.4
7.5°	629.4	635.9	637.4	643.9	646.0	643.9	637.4	638.8	648.2	653.2	644.6
10°	631.5	638.0	638.8	646.0	649.0	646.0	641.0	641.8	651.9	655.5	647.5
12.5°	636.6	643.1	643.1	651.1	654.0	651.9	645.4	646.8	656.9	660.6	652.6
15°	641.8	648.2	648.2	656.9	660.6	657.6	652.6	653.2	663.5	667.1	660.6
17.5°	641.8	647.5	647.5	656.9	660.6	658.4	652.6	653.2	664.2	667.1	660.6
20°	632.2	638.8	637.4	646.8	650.4	648.2	643.1	643.1	654.0	656.9	650.4
22.5°	617.0	622.9	621.4	630.1	634.4	631.5	627.1	626.5	637.4	640.2	633.8
25°	596.0	601.8	600.4	609.0	613.4	609.8	604.6	605.4	614.1	618.5	612.6
27.5°	571.2	574.9	572.8	581.5	585.8	582.1	577.1	577.8	586.5	589.4	585.1
30°	537.9	540.8	538.6	545.9	548.8	546.6	542.2	542.2	550.2	553.9	549.5
32.5°	498.0	500.1	498.0	503.8	509.6	505.2	500.9	500.9	509.6	512.5	507.4
35°	451.5	453.6	452.2	458.0	462.4	456.6	453.0	451.5	463.1	461.6	458.8
37.5°	400.0	401.4	397.1	407.2	409.4	402.9	400.0	398.5	408.6	408.0	405.0
40°	341.9	343.4	340.5	347.8	348.4	343.4	341.1	339.0	349.1	348.4	346.2
42.5°	280.2	280.9	277.2	283.1	284.5	279.5	278.8	275.9	285.2	283.9	283.1
45°	216.4	216.4	213.4	217.8	219.2	214.9	213.4	212.6	219.2	219.2	217.8
47.5°	156.8	154.6	151.0	157.5	158.2	155.4	154.6	152.5	159.0	159.0	157.5
50°	107.4	106.8	106.0	107.4	108.1	104.5	106.8	104.5	108.1	108.1	108.1
52.5°	71.9	71.1	69.6	71.1	71.1	69.0	69.0	68.2	71.1	71.1	69.6
55°	45.0	44.2	43.5	44.2	44.2	42.1	43.5	42.1	43.5	43.5	42.9
57.5°	27.6	26.1	26.1	25.4	25.4	24.0	24.6	24.6	24.6	24.6	24.6
60°	16.0	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	8.8	9.4	9.4	9.4
65°	8.8	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	4.4	5.1	5.1	4.4	4.4
72.5°	4.4	4.4	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	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.8	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: LE\_6B10D010 EC6B10209027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	638.8	631.5	627.9	635.1	638.0	634.4	631.5	626.5	631.5	634.4	638.0
5°	647.5	641.0	638.0	643.1	647.5	643.9	641.8	636.6	641.8	643.9	647.5
7.5°	655.5	649.0	645.4	650.4	655.5	650.4	648.2	643.9	648.2	650.4	655.5
10°	658.4	651.1	648.2	652.6	657.6	652.6	649.6	646.8	649.6	652.6	657.6
12.5°	663.5	656.2	652.6	656.2	661.2	656.2	653.2	651.1	653.2	656.2	661.2
15°	670.8	664.2	659.9	663.5	670.0	664.2	660.6	659.9	660.6	664.2	670.0
17.5°	670.8	665.6	661.2	664.2	670.8	666.4	661.2	662.8	661.2	666.4	670.8
20°	661.2	656.2	652.6	652.6	662.0	656.2	651.9	654.0	651.9	656.2	662.0
22.5°	644.6	640.2	636.6	635.9	645.4	640.2	634.4	638.8	634.4	640.2	645.4
25°	622.9	618.5	615.5	614.1	623.5	617.8	612.6	617.0	612.6	617.8	623.5
27.5°	594.5	590.9	588.0	585.8	594.5	589.4	584.4	588.8	584.4	589.4	594.5
30°	558.2	556.0	553.1	550.2	559.0	553.9	548.8	554.6	548.8	553.9	559.0
32.5°	516.1	514.6	511.0	508.1	516.9	511.0	507.4	511.8	507.4	511.0	516.9
35°	467.5	465.2	463.1	458.0	467.5	462.4	462.4	463.9	462.4	462.4	467.5
37.5°	413.0	411.6	408.6	404.4	412.2	408.6	407.2	411.6	407.2	408.6	412.2
40°	352.0	351.4	349.1	344.1	352.8	349.1	347.0	352.8	347.0	349.1	352.8
42.5°	288.1	286.8	284.5	283.9	288.1	285.2	287.5	287.5	287.5	285.2	288.1
45°	222.1	220.6	219.2	216.4	221.4	220.0	219.2	220.6	219.2	220.0	221.4
47.5°	161.1	159.8	158.2	156.1	161.1	159.0	159.0	160.4	159.0	159.0	161.1
50°	108.1	108.9	108.1	106.8	108.1	107.4	108.1	109.6	108.1	107.4	108.1
52.5°	71.9	71.9	70.4	69.6	71.1	70.4	72.6	71.1	72.6	70.4	71.1
55°	43.5	44.2	43.5	42.9	43.5	42.9	45.0	44.2	45.0	42.9	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	8.8	9.4	8.8	9.4	9.4	9.4	8.8	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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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: LE\_6B10D010 EC6B10209027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	635.1	627.9	631.5	638.8	628.6	637.4	632.2	623.5	623.5	630.1	631.5
5°	643.1	638.0	641.0	647.5	637.4	646.0	640.2	631.5	630.8	637.4	639.5
7.5°	650.4	645.4	649.0	655.5	644.6	653.2	648.2	638.8	637.4	643.9	646.0
10°	652.6	648.2	651.1	658.4	647.5	655.5	651.9	641.8	641.0	646.0	649.0
12.5°	656.2	652.6	656.2	663.5	652.6	660.6	656.9	646.8	645.4	651.9	654.0
15°	663.5	659.9	664.2	670.8	660.6	667.1	663.5	653.2	652.6	657.6	660.6
17.5°	664.2	661.2	665.6	670.8	660.6	667.1	664.2	653.2	652.6	658.4	660.6
20°	652.6	652.6	656.2	661.2	650.4	656.9	654.0	643.1	643.1	648.2	650.4
22.5°	635.9	636.6	640.2	644.6	633.8	640.2	637.4	626.5	627.1	631.5	634.4
25°	614.1	615.5	618.5	622.9	612.6	618.5	614.1	605.4	604.6	609.8	613.4
27.5°	585.8	588.0	590.9	594.5	585.1	589.4	586.5	577.8	577.1	582.1	585.8
30°	550.2	553.1	556.0	558.2	549.5	553.9	550.2	542.2	542.2	546.6	548.8
32.5°	508.1	511.0	514.6	516.1	507.4	512.5	509.6	500.9	500.9	505.2	509.6
35°	458.0	463.1	465.2	467.5	458.8	461.6	463.1	451.5	453.0	456.6	462.4
37.5°	404.4	408.6	411.6	413.0	405.0	408.0	408.6	398.5	400.0	402.9	409.4
40°	344.1	349.1	351.4	352.0	346.2	348.4	349.1	339.0	341.1	343.4	348.4
42.5°	283.9	284.5	286.8	288.1	283.1	283.9	285.2	275.9	278.8	279.5	284.5
45°	216.4	219.2	220.6	222.1	217.8	219.2	219.2	212.6	213.4	214.9	219.2
47.5°	156.1	158.2	159.8	161.1	157.5	159.0	159.0	152.5	154.6	155.4	158.2
50°	106.8	108.1	108.9	108.1	108.1	108.1	108.1	104.5	106.8	104.5	108.1
52.5°	69.6	70.4	71.9	71.9	69.6	71.1	71.1	68.2	69.0	69.0	71.1
55°	42.9	43.5	44.2	43.5	42.9	43.5	43.5	42.1	43.5	42.1	44.2
57.5°	24.6	25.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.0	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°	8.8	9.4	9.4	9.4	9.4	9.4	9.4	8.8	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°	4.4	4.4	4.4	4.4	4.4	4.4	5.1	5.1	4.4	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.9
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.8
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: LE\_6B10D010 EC6B10209027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	630.8	625.0	625.0	618.5	624.2	625.0	617.8	615.5	623.5	614.9	619.1
5°	636.6	630.8	630.8	624.2	628.6	628.6	621.4	617.8	625.8	617.0	620.6
7.5°	643.9	637.4	635.9	629.4	633.0	633.8	625.0	619.9	627.9	617.8	621.4
10°	646.0	638.8	638.0	631.5	634.4	635.1	625.0	620.6	627.1	616.2	618.5
12.5°	651.1	643.1	643.1	636.6	638.8	638.8	628.6	622.9	628.6	617.8	619.1
15°	656.9	648.2	648.2	641.8	643.1	643.9	631.5	625.8	630.8	619.1	620.6
17.5°	656.9	647.5	647.5	641.8	642.4	641.8	630.1	623.5	627.1	614.9	615.5
20°	646.8	637.4	638.8	632.2	633.0	632.2	619.9	613.4	617.0	604.0	605.4
22.5°	630.1	621.4	622.9	617.0	617.0	616.2	604.6	598.1	601.8	588.8	589.4
25°	609.0	600.4	601.8	596.0	596.6	596.6	585.1	577.8	581.5	569.9	569.9
27.5°	581.5	572.8	574.9	571.2	569.1	569.9	559.6	552.4	556.0	545.1	545.1
30°	545.9	538.6	540.8	537.9	535.8	535.8	527.0	519.8	523.4	513.9	513.2
32.5°	503.8	498.0	500.1	498.0	495.8	498.0	488.5	481.2	484.9	477.6	478.4
35°	458.0	452.2	453.6	451.5	450.0	451.5	442.1	437.0	440.6	433.4	436.2
37.5°	407.2	397.1	401.4	400.0	398.5	399.2	390.5	386.9	391.2	386.9	389.1
40°	347.8	340.5	343.4	341.9	340.5	344.1	337.5	332.5	336.1	333.1	337.5
42.5°	283.1	277.2	280.9	280.2	278.0	282.4	277.2	273.6	279.5	278.0	281.6
45°	217.8	213.4	216.4	216.4	215.6	219.2	214.1	214.9	220.6	222.9	227.2
47.5°	157.5	151.0	154.6	156.8	156.8	160.4	157.5	160.4	167.0	171.2	175.0
50°	107.4	106.0	106.8	107.4	108.9	111.8	111.0	115.4	119.8	127.0	131.4
52.5°	71.1	69.6	71.1	71.9	73.4	76.2	76.2	81.2	86.4	92.9	98.0
55°	44.2	43.5	44.2	45.0	46.5	49.4	50.1	55.1	60.2	66.8	71.1
57.5°	25.4	26.1	26.1	27.6	28.2	30.5	32.6	35.6	41.4	47.9	52.2
60°	14.5	14.5	15.2	16.0	16.8	18.9	20.4	23.2	27.6	34.1	37.0
62.5°	9.4	9.4	10.1	10.1	10.9	12.4	13.8	16.8	20.4	25.4	28.2
65°	8.0	8.0	8.0	8.8	8.8	10.1	11.6	13.8	16.8	20.4	23.2
67.5°	6.5	6.5	6.5	7.2	7.2	8.0	9.4	10.9	13.1	16.0	18.1
70°	5.1	5.1	5.1	5.8	5.8	6.5	7.2	8.0	10.1	12.4	13.8
72.5°	3.6	3.6	4.4	4.4	4.4	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	4.4	5.1	5.8	6.5	7.2
77.5°	1.5	1.5	2.1	2.1	2.1	2.9	2.9	3.6	4.4	5.1	5.1
80°	1.5	1.5	1.5	1.5	1.5	2.1	2.1	2.1	2.9	3.6	3.6
82.5°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	2.1	2.1	2.1
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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: LE\_6B10D010 EC6B10209027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	614.1	616.2	616.2	614.1	608.2	613.4	618.5	613.4	619.9	608.2	608.2
5°	614.1	615.5	614.9	611.9	606.1	610.5	614.1	609.0	614.1	603.2	602.5
7.5°	615.5	614.1	612.6	609.0	601.8	604.6	608.2	602.5	607.6	596.0	594.5
10°	612.6	610.5	607.6	602.5	594.5	596.6	598.9	593.8	597.4	585.8	585.1
12.5°	612.6	609.0	604.6	598.9	590.1	591.6	593.8	587.2	590.1	579.2	577.8
15°	614.1	607.6	602.5	596.0	586.5	587.2	588.8	581.5	584.4	572.8	572.0
17.5°	609.0	601.8	596.6	588.8	578.5	579.2	579.2	572.0	574.1	562.6	561.9
20°	598.1	589.4	583.6	576.4	565.5	565.5	565.5	558.2	559.6	549.5	548.0
22.5°	582.9	573.5	567.6	560.4	550.2	549.5	548.8	543.0	543.0	533.5	531.4
25°	562.6	553.9	548.0	541.5	531.4	529.9	529.9	524.9	524.1	515.4	513.9
27.5°	539.4	529.1	524.1	518.2	508.9	507.4	506.6	503.8	502.4	492.9	492.1
30°	508.1	499.4	495.0	490.0	481.2	479.9	479.1	476.1	475.5	466.0	466.0
32.5°	474.8	463.9	461.0	455.9	449.4	448.6	449.4	445.8	442.8	436.2	434.8
35°	434.8	423.9	421.8	419.6	414.5	413.0	412.2	411.6	408.0	403.6	401.4
37.5°	388.4	378.9	378.9	378.2	374.5	374.5	374.5	373.1	369.5	368.0	363.6
40°	338.2	331.0	331.8	332.5	331.0	331.8	332.5	331.0	328.1	326.6	323.0
42.5°	284.5	280.9	283.9	286.0	286.0	288.1	289.6	289.6	286.0	285.2	282.4
45°	230.9	230.1	235.9	240.2	241.8	245.4	247.5	246.1	246.1	246.1	243.1
47.5°	180.8	183.6	188.8	197.5	200.4	204.8	206.1	208.4	207.6	208.4	206.1
50°	137.2	143.8	150.2	159.0	163.4	168.4	170.6	173.5	173.5	174.2	172.8
52.5°	103.8	108.9	119.8	125.6	130.6	135.8	138.6	141.5	142.2	142.2	140.9
55°	77.0	84.2	91.5	99.5	103.8	108.9	111.0	114.0	114.0	115.4	114.0
57.5°	55.9	63.1	71.1	77.0	82.0	85.6	87.9	90.0	91.5	91.5	90.8
60°	41.4	47.1	53.8	59.5	63.9	67.5	69.0	71.1	71.9	71.9	70.4
62.5°	31.2	37.0	42.9	47.9	50.9	53.8	55.1	56.6	56.6	56.6	55.9
65°	25.4	29.8	34.1	38.5	41.4	43.5	44.2	45.8	45.0	45.8	45.0
67.5°	20.4	23.2	26.9	29.8	32.0	33.4	34.1	35.6	34.9	35.6	34.9
70°	15.2	18.1	20.4	22.5	24.0	25.4	26.1	26.9	26.1	26.9	26.1
72.5°	11.6	13.1	15.2	17.4	18.1	18.9	19.6	19.6	19.6	20.4	19.6
75°	8.0	9.4	10.9	11.6	13.1	13.8	13.8	14.5	14.5	14.5	14.5
77.5°	5.8	6.5	7.2	8.0	8.8	9.4	9.4	10.1	10.1	10.1	10.1
80°	3.6	4.4	4.4	5.1	5.8	5.8	6.5	6.5	6.5	6.5	6.5
82.5°	2.1	2.9	2.9	3.6	3.6	3.6	4.4	4.4	4.4	4.4	4.4
85°	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	0.8	0.8
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: LE\_6B10D010 EC6B10209027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	623.5	623.5	623.5	623.5
2.5°	614.1	610.5	616.2	607.6
5°	607.6	604.0	611.2	600.4
7.5°	599.6	596.0	602.5	591.6
10°	589.4	585.8	591.6	580.0
12.5°	580.8	577.1	583.6	572.8
15°	574.1	570.5	576.4	566.2
17.5°	564.0	559.6	566.2	555.2
20°	549.5	546.6	551.6	540.8
22.5°	532.8	529.9	535.8	524.9
25°	515.4	511.8	517.5	506.6
27.5°	492.9	490.0	495.8	484.9
30°	466.0	463.1	468.9	458.8
32.5°	435.5	432.6	437.0	428.2
35°	400.8	398.5	402.9	393.4
37.5°	363.0	360.8	365.1	355.8
40°	322.2	320.1	323.8	319.4
42.5°	282.4	280.2	283.9	280.2
45°	243.1	241.8	245.4	241.8
47.5°	206.9	205.4	209.0	205.4
50°	172.0	172.8	174.2	172.8
52.5°	140.9	140.9	143.0	140.9
55°	114.0	114.8	115.4	114.0
57.5°	90.8	90.8	91.5	90.8
60°	70.4	71.1	71.1	70.4
62.5°	55.9	55.9	55.9	55.9
65°	44.2	44.2	45.0	44.2
67.5°	34.9	34.1	34.9	34.1
70°	26.1	26.1	26.1	26.1
72.5°	20.4	20.4	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°	4.4	4.4	4.4	4.4
85°	2.9	2.1	2.1	2.1
87.5°	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)