

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: P212779

Luminaire Tested: **LE\_6B10D010 EC6B10209040 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212779  
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 EC6B10209040 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1101.4 lumens  
Efficiency: N/A  
Efficacy: 110.1 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

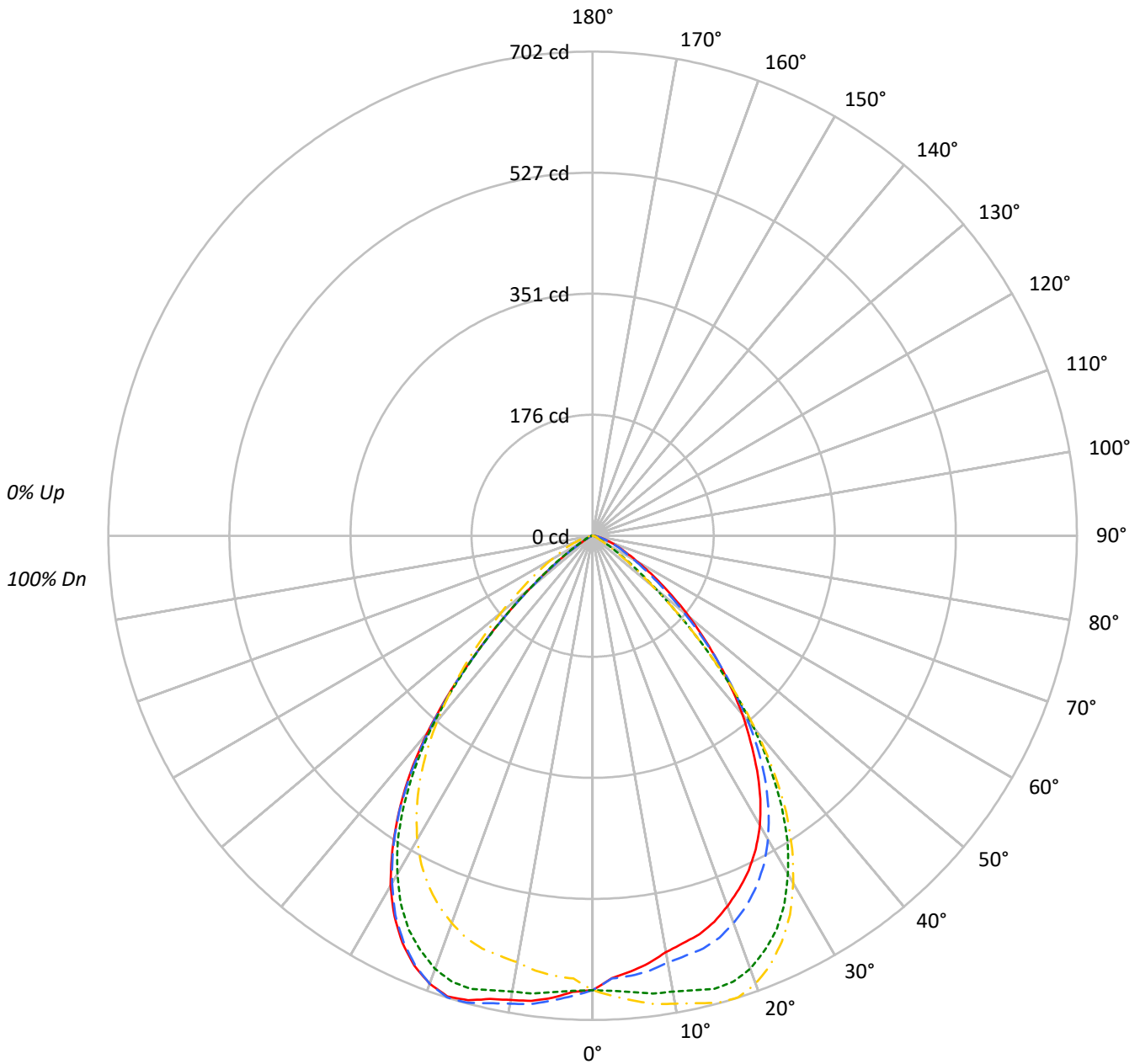
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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°	36116	36116	36116	36116
5°	34900	36545	37013	36545
10°	34112	37352	38042	37352
15°	33950	38604	39563	38604
20°	33335	38970	40312	38970
25°	32373	38131	39432	38131
30°	30688	35828	37088	35828
35°	27813	31922	32792	31922
40°	24152	26013	26679	26013
45°	19801	17955	18072	17955
50°	15565	10072	9876	10072
55°	11507	4980	4473	4980
60°	8157	2193	1601	2193
65°	6071	1401	986	1401
70°	4424	1106	737	1106
75°	3262	826	466	826
80°	2178	695	253	695
85°	1384	503	503	503



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	5.7
10°-20°	186.8	17.0
20°-30°	278.7	25.3
30°-40°	286.4	26.0
40°-50°	185.5	16.8
50°-60°	69.0	6.3
60°-70°	22.6	2.1
70°-80°	8.0	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°	528.6	48.0
0°-40°	815.0	74.0
0°-60°	1069.4	97.1
0°-90°	1101.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	659	659	659	659	659	
5°	634	664	673	664	634	60
15°	598	680	697	680	598	168
25°	535	630	652	630	535	245
35°	416	477	490	477	416	258
45°	255	232	233	232	255	197
55°	120	52	47	52	120	110
65°	47	11	8	11	47	48
75°	15	4	2	4	15	17
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°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	641.9	651.1	645.0	648.9	642.6	642.6	655.0	648.0	653.4	648.0	642.6
5°	634.2	645.8	638.1	641.9	636.5	637.2	648.9	643.5	648.9	645.0	640.4
7.5°	625.0	636.5	629.6	633.5	628.1	629.6	641.9	636.5	642.6	638.9	635.8
10°	612.8	625.0	618.9	622.8	618.1	618.9	631.1	627.4	632.8	630.4	628.1
12.5°	605.1	616.6	609.8	613.5	610.5	612.0	623.5	620.5	627.4	625.0	623.5
15°	598.2	608.9	602.8	606.6	604.4	605.1	617.4	614.2	622.0	620.5	619.6
17.5°	586.8	598.2	591.2	595.9	593.6	594.4	606.6	604.4	612.0	612.0	611.2
20°	571.4	582.9	577.5	580.5	579.0	580.5	591.2	589.8	597.4	597.4	597.4
22.5°	554.5	566.0	559.9	562.9	561.4	563.6	573.6	573.6	579.8	580.5	581.4
25°	535.2	546.9	540.6	544.5	543.0	544.5	553.8	554.5	559.9	559.9	561.4
27.5°	512.2	523.8	517.6	520.8	520.0	520.8	530.8	532.2	535.2	536.1	537.6
30°	484.8	495.4	489.2	492.4	492.4	492.4	502.4	503.1	506.1	506.9	508.5
32.5°	452.5	461.6	457.1	460.1	459.4	460.9	467.9	470.9	474.8	474.0	474.8
35°	415.6	425.6	421.0	423.4	424.1	426.4	431.0	434.9	435.6	436.4	437.9
37.5°	375.8	385.8	381.1	383.5	384.2	388.9	390.4	394.2	395.8	395.8	395.8
40°	337.5	342.0	338.2	340.5	341.2	345.1	346.6	349.8	351.2	350.5	349.8
42.5°	296.0	299.9	296.0	298.4	298.4	301.4	302.1	306.0	306.0	304.5	302.1
45°	255.4	259.2	255.4	256.9	256.9	260.0	260.0	260.0	261.5	259.2	255.4
47.5°	217.0	220.9	217.0	218.6	217.8	220.1	219.4	220.1	217.8	216.2	211.6
50°	182.5	184.0	182.5	181.8	182.5	184.0	183.2	183.2	180.2	177.9	172.5
52.5°	148.8	151.1	148.8	148.8	148.8	150.4	150.4	149.5	146.5	143.4	138.0
55°	120.4	122.0	121.1	120.4	120.4	122.0	120.4	120.4	117.4	115.0	109.6
57.5°	95.9	96.6	95.9	95.9	95.9	96.6	96.6	95.1	92.8	90.5	86.6
60°	74.4	75.1	75.1	74.4	74.4	75.9	75.9	75.1	72.9	71.4	67.5
62.5°	59.0	59.0	59.0	59.0	59.0	59.9	59.9	59.9	58.2	56.8	53.6
65°	46.8	47.5	46.8	46.8	47.5	48.4	47.5	48.4	46.8	46.0	43.8
67.5°	36.0	36.8	36.0	36.8	36.8	37.6	36.8	37.6	36.0	35.2	33.8
70°	27.6	27.6	27.6	27.6	27.6	28.4	27.6	28.4	27.6	26.9	25.2
72.5°	20.8	20.8	21.5	21.5	20.8	21.5	20.8	20.8	20.8	20.0	19.1
75°	15.4	15.4	16.1	15.4	15.4	15.4	15.4	15.4	14.6	14.6	13.8
77.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.0	10.0	9.2
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.1	6.1
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.9	3.9
85°	2.2	2.2	2.2	3.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	648.9	651.1	651.1	648.9	654.1	649.6	658.8	650.4	652.6	660.4	659.5
5°	646.5	649.6	650.4	648.9	655.8	651.9	661.1	652.6	656.5	664.1	664.1
7.5°	643.5	647.2	648.9	650.4	656.5	652.6	663.4	655.0	660.4	669.5	668.8
10°	636.5	641.9	645.0	647.2	653.4	651.1	662.6	655.8	660.4	671.0	670.2
12.5°	632.8	638.9	643.5	647.2	654.1	652.6	664.1	658.0	664.1	674.9	674.9
15°	629.6	636.5	641.9	648.9	655.8	654.1	666.5	661.1	667.2	680.2	679.5
17.5°	622.0	630.4	635.8	643.5	650.4	649.6	662.6	658.8	665.6	678.0	678.8
20°	608.9	616.6	622.8	632.0	639.6	638.1	651.9	648.0	655.0	668.0	668.8
22.5°	592.0	599.8	605.9	615.9	622.8	622.0	635.8	632.0	638.9	651.1	651.9
25°	572.1	579.0	585.1	594.4	602.0	602.0	614.2	610.5	618.1	630.4	630.4
27.5°	547.6	553.8	559.1	569.9	576.0	576.0	587.5	583.6	591.2	602.0	601.2
30°	517.6	523.0	527.6	536.9	542.2	543.0	553.0	549.1	556.8	566.0	566.0
32.5°	481.6	487.0	490.0	501.6	505.4	504.6	512.2	508.5	516.1	526.1	523.8
35°	443.2	445.6	447.9	459.4	460.9	457.9	465.5	461.6	467.0	477.0	475.5
37.5°	399.6	400.4	400.4	410.2	411.1	408.8	413.4	408.8	412.6	421.8	421.0
40°	351.2	350.5	349.8	357.4	356.6	352.0	355.1	351.2	356.6	363.5	359.6
42.5°	302.1	299.9	296.8	300.6	297.6	293.8	295.2	289.1	293.0	298.4	293.8
45°	253.9	249.2	243.1	243.9	240.0	235.5	233.1	227.0	226.2	231.6	227.8
47.5°	208.6	199.4	194.0	191.0	184.9	181.0	176.4	169.5	166.4	169.5	165.6
50°	168.0	158.8	151.9	145.0	138.8	134.2	126.5	122.0	117.4	118.1	115.0
52.5°	132.6	126.5	115.0	109.6	103.5	98.1	91.2	85.9	80.5	80.5	77.5
55°	105.1	96.6	89.0	81.2	75.1	70.5	63.6	58.2	52.9	52.1	49.1
57.5°	81.2	75.1	66.8	59.0	55.2	50.6	43.8	37.6	34.5	32.2	29.9
60°	62.9	56.8	49.9	43.8	39.1	36.0	29.1	24.5	21.5	20.0	17.6
62.5°	50.6	45.2	39.1	33.0	29.9	26.9	21.5	17.6	14.6	13.0	11.5
65°	40.6	36.0	31.5	26.9	24.5	21.5	17.6	14.6	12.2	10.8	9.2
67.5°	31.5	28.4	24.5	21.5	19.1	16.9	13.8	11.5	10.0	8.4	7.6
70°	23.8	21.5	19.1	16.1	14.6	13.0	10.8	8.4	7.6	6.9	6.1
72.5°	18.4	16.1	13.8	12.2	10.8	10.0	8.4	6.9	6.1	5.4	4.6
75°	12.2	11.5	10.0	8.4	7.6	6.9	6.1	5.4	4.6	3.9	3.9
77.5°	8.4	7.6	6.9	6.1	5.4	5.4	4.6	3.9	3.1	3.1	2.2
80°	5.4	4.6	4.6	3.9	3.9	3.9	3.1	2.2	2.2	2.2	1.5
82.5°	3.9	3.1	3.1	2.2	2.2	2.2	2.2	1.5	1.5	1.5	0.8
85°	2.2	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	653.4	660.4	660.4	666.5	667.2	665.6	658.8	658.8	668.0	673.4	664.1
5°	659.5	666.5	666.5	672.6	675.6	673.4	666.5	667.2	676.4	682.5	673.4
7.5°	664.9	671.9	673.4	680.2	682.5	680.2	673.4	674.9	684.9	690.2	681.0
10°	667.2	674.1	674.9	682.5	685.6	682.5	677.2	678.0	688.8	692.5	684.1
12.5°	672.6	679.5	679.5	687.9	691.0	688.8	681.8	683.4	694.0	697.9	689.5
15°	678.0	684.9	684.9	694.0	697.9	694.9	689.5	690.2	701.0	704.8	697.9
17.5°	678.0	684.1	684.1	694.0	697.9	695.6	689.5	690.2	701.8	704.8	697.9
20°	668.0	674.9	673.4	683.4	687.1	684.9	679.5	679.5	691.0	694.0	687.1
22.5°	651.9	658.0	656.5	665.6	670.2	667.2	662.6	661.9	673.4	676.4	669.5
25°	629.6	635.8	634.2	643.5	648.0	644.2	638.9	639.6	648.9	653.4	647.2
27.5°	603.6	607.4	605.1	614.2	618.9	615.1	609.8	610.5	619.6	622.8	618.1
30°	568.2	571.4	569.0	576.8	579.8	577.5	572.9	572.9	581.4	585.1	580.5
32.5°	526.1	528.4	526.1	532.2	538.4	533.8	529.1	529.1	538.4	541.5	536.1
35°	477.0	479.4	477.8	483.9	488.5	482.4	478.5	477.0	489.2	487.8	484.8
37.5°	422.6	424.1	419.5	430.2	432.5	425.6	422.6	421.0	431.8	431.0	428.0
40°	361.2	362.8	359.6	367.4	368.1	362.8	360.5	358.1	368.9	368.1	365.9
42.5°	296.0	296.8	293.0	299.1	300.6	295.2	294.5	291.4	301.4	299.9	299.1
45°	228.5	228.5	225.5	230.1	231.6	227.0	225.5	224.8	231.6	231.6	230.1
47.5°	165.6	163.4	159.5	166.4	167.2	164.1	163.4	161.0	168.0	168.0	166.4
50°	113.5	112.8	112.0	113.5	114.2	110.4	112.8	110.4	114.2	114.2	114.2
52.5°	75.9	75.1	73.6	75.1	75.1	72.9	72.9	72.1	75.1	75.1	73.6
55°	47.5	46.8	46.0	46.8	46.8	44.5	46.0	44.5	46.0	46.0	45.2
57.5°	29.1	27.6	27.6	26.9	26.9	25.2	26.1	26.1	26.1	26.1	26.1
60°	16.9	16.1	15.4	15.4	15.4	14.6	14.6	14.6	14.6	14.6	14.6
62.5°	10.8	10.8	10.0	10.0	10.0	10.0	10.0	9.2	10.0	10.0	10.0
65°	9.2	8.4	8.4	8.4	8.4	7.6	7.6	7.6	7.6	7.6	7.6
67.5°	7.6	6.9	6.9	6.9	6.9	6.1	6.1	6.1	6.1	6.1	6.1
70°	6.1	5.4	5.4	5.4	5.4	5.4	4.6	5.4	5.4	4.6	4.6
72.5°	4.6	4.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
75°	3.1	3.1	3.1	3.1	3.1	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	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





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**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	674.9	667.2	663.4	671.0	674.1	670.2	667.2	661.9	667.2	670.2	674.1
5°	684.1	677.2	674.1	679.5	684.1	680.2	678.0	672.6	678.0	680.2	684.1
7.5°	692.5	685.6	681.8	687.1	692.5	687.1	684.9	680.2	684.9	687.1	692.5
10°	695.6	687.9	684.9	689.5	694.9	689.5	686.4	683.4	686.4	689.5	694.9
12.5°	701.0	693.2	689.5	693.2	698.6	693.2	690.2	687.9	690.2	693.2	698.6
15°	708.6	701.8	697.1	701.0	707.9	701.8	697.9	697.1	697.9	701.8	707.9
17.5°	708.6	703.2	698.6	701.8	708.6	704.0	698.6	700.2	698.6	704.0	708.6
20°	698.6	693.2	689.5	689.5	699.4	693.2	688.8	691.0	688.8	693.2	699.4
22.5°	681.0	676.4	672.6	671.9	681.8	676.4	670.2	674.9	670.2	676.4	681.8
25°	658.0	653.4	650.4	648.9	658.8	652.6	647.2	651.9	647.2	652.6	658.8
27.5°	628.1	624.2	621.2	618.9	628.1	622.8	617.4	622.0	617.4	622.8	628.1
30°	589.8	587.5	584.4	581.4	590.5	585.1	579.8	585.9	579.8	585.1	590.5
32.5°	545.2	543.8	539.9	536.9	546.0	539.9	536.1	540.6	536.1	539.9	546.0
35°	493.9	491.6	489.2	483.9	493.9	488.5	488.5	490.0	488.5	488.5	493.9
37.5°	436.4	434.9	431.8	427.1	435.6	431.8	430.2	434.9	430.2	431.8	435.6
40°	372.0	371.2	368.9	363.5	372.8	368.9	366.6	372.8	366.6	368.9	372.8
42.5°	304.5	302.9	300.6	299.9	304.5	301.4	303.8	303.8	303.8	301.4	304.5
45°	234.6	233.1	231.6	228.5	233.9	232.4	231.6	233.1	231.6	232.4	233.9
47.5°	170.2	168.8	167.2	164.9	170.2	168.0	168.0	169.5	168.0	168.0	170.2
50°	114.2	115.0	114.2	112.8	114.2	113.5	114.2	115.8	114.2	113.5	114.2
52.5°	75.9	75.9	74.4	73.6	75.1	74.4	76.8	75.1	76.8	74.4	75.1
55°	46.0	46.8	46.0	45.2	46.0	45.2	47.5	46.8	47.5	45.2	46.0
57.5°	26.1	26.1	26.9	26.1	27.6	26.9	26.9	26.9	26.9	26.9	27.6
60°	14.6	14.6	14.6	14.6	14.6	14.6	15.4	14.6	15.4	14.6	14.6
62.5°	10.0	10.0	10.0	9.2	10.0	9.2	10.0	10.0	10.0	9.2	10.0
65°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
67.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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°	1.5	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: P212779

CATALOG NUMBER: LE\_6B10D010 EC6B10209040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	671.0	663.4	667.2	674.9	664.1	673.4	668.0	658.8	658.8	665.6	667.2
5°	679.5	674.1	677.2	684.1	673.4	682.5	676.4	667.2	666.5	673.4	675.6
7.5°	687.1	681.8	685.6	692.5	681.0	690.2	684.9	674.9	673.4	680.2	682.5
10°	689.5	684.9	687.9	695.6	684.1	692.5	688.8	678.0	677.2	682.5	685.6
12.5°	693.2	689.5	693.2	701.0	689.5	697.9	694.0	683.4	681.8	688.8	691.0
15°	701.0	697.1	701.8	708.6	697.9	704.8	701.0	690.2	689.5	694.9	697.9
17.5°	701.8	698.6	703.2	708.6	697.9	704.8	701.8	690.2	689.5	695.6	697.9
20°	689.5	689.5	693.2	698.6	687.1	694.0	691.0	679.5	679.5	684.9	687.1
22.5°	671.9	672.6	676.4	681.0	669.5	676.4	673.4	661.9	662.6	667.2	670.2
25°	648.9	650.4	653.4	658.0	647.2	653.4	648.9	639.6	638.9	644.2	648.0
27.5°	618.9	621.2	624.2	628.1	618.1	622.8	619.6	610.5	609.8	615.1	618.9
30°	581.4	584.4	587.5	589.8	580.5	585.1	581.4	572.9	572.9	577.5	579.8
32.5°	536.9	539.9	543.8	545.2	536.1	541.5	538.4	529.1	529.1	533.8	538.4
35°	483.9	489.2	491.6	493.9	484.8	487.8	489.2	477.0	478.5	482.4	488.5
37.5°	427.1	431.8	434.9	436.4	428.0	431.0	431.8	421.0	422.6	425.6	432.5
40°	363.5	368.9	371.2	372.0	365.9	368.1	368.9	358.1	360.5	362.8	368.1
42.5°	299.9	300.6	302.9	304.5	299.1	299.9	301.4	291.4	294.5	295.2	300.6
45°	228.5	231.6	233.1	234.6	230.1	231.6	231.6	224.8	225.5	227.0	231.6
47.5°	164.9	167.2	168.8	170.2	166.4	168.0	168.0	161.0	163.4	164.1	167.2
50°	112.8	114.2	115.0	114.2	114.2	114.2	114.2	110.4	112.8	110.4	114.2
52.5°	73.6	74.4	75.9	75.9	73.6	75.1	75.1	72.1	72.9	72.9	75.1
55°	45.2	46.0	46.8	46.0	45.2	46.0	46.0	44.5	46.0	44.5	46.8
57.5°	26.1	26.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	25.2	26.9
60°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	15.4
62.5°	9.2	10.0	10.0	10.0	10.0	10.0	10.0	9.2	10.0	10.0	10.0
65°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	8.4
67.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.9
70°	4.6	4.6	4.6	4.6	4.6	4.6	5.4	5.4	4.6	5.4	5.4
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.1
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	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: P212779

CATALOG NUMBER: LE\_6B10D010 EC6B10209040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	666.5	660.4	660.4	653.4	659.5	660.4	652.6	650.4	658.8	649.6	654.1
5°	672.6	666.5	666.5	659.5	664.1	664.1	656.5	652.6	661.1	651.9	655.8
7.5°	680.2	673.4	671.9	664.9	668.8	669.5	660.4	655.0	663.4	652.6	656.5
10°	682.5	674.9	674.1	667.2	670.2	671.0	660.4	655.8	662.6	651.1	653.4
12.5°	687.9	679.5	679.5	672.6	674.9	674.9	664.1	658.0	664.1	652.6	654.1
15°	694.0	684.9	684.9	678.0	679.5	680.2	667.2	661.1	666.5	654.1	655.8
17.5°	694.0	684.1	684.1	678.0	678.8	678.0	665.6	658.8	662.6	649.6	650.4
20°	683.4	673.4	674.9	668.0	668.8	668.0	655.0	648.0	651.9	638.1	639.6
22.5°	665.6	656.5	658.0	651.9	651.9	651.1	638.9	632.0	635.8	622.0	622.8
25°	643.5	634.2	635.8	629.6	630.4	630.4	618.1	610.5	614.2	602.0	602.0
27.5°	614.2	605.1	607.4	603.6	601.2	602.0	591.2	583.6	587.5	576.0	576.0
30°	576.8	569.0	571.4	568.2	566.0	566.0	556.8	549.1	553.0	543.0	542.2
32.5°	532.2	526.1	528.4	526.1	523.8	526.1	516.1	508.5	512.2	504.6	505.4
35°	483.9	477.8	479.4	477.0	475.5	477.0	467.0	461.6	465.5	457.9	460.9
37.5°	430.2	419.5	424.1	422.6	421.0	421.8	412.6	408.8	413.4	408.8	411.1
40°	367.4	359.6	362.8	361.2	359.6	363.5	356.6	351.2	355.1	352.0	356.6
42.5°	299.1	293.0	296.8	296.0	293.8	298.4	293.0	289.1	295.2	293.8	297.6
45°	230.1	225.5	228.5	228.5	227.8	231.6	226.2	227.0	233.1	235.5	240.0
47.5°	166.4	159.5	163.4	165.6	165.6	169.5	166.4	169.5	176.4	181.0	184.9
50°	113.5	112.0	112.8	113.5	115.0	118.1	117.4	122.0	126.5	134.2	138.8
52.5°	75.1	73.6	75.1	75.9	77.5	80.5	80.5	85.9	91.2	98.1	103.5
55°	46.8	46.0	46.8	47.5	49.1	52.1	52.9	58.2	63.6	70.5	75.1
57.5°	26.9	27.6	27.6	29.1	29.9	32.2	34.5	37.6	43.8	50.6	55.2
60°	15.4	15.4	16.1	16.9	17.6	20.0	21.5	24.5	29.1	36.0	39.1
62.5°	10.0	10.0	10.8	10.8	11.5	13.0	14.6	17.6	21.5	26.9	29.9
65°	8.4	8.4	8.4	9.2	9.2	10.8	12.2	14.6	17.6	21.5	24.5
67.5°	6.9	6.9	6.9	7.6	7.6	8.4	10.0	11.5	13.8	16.9	19.1
70°	5.4	5.4	5.4	6.1	6.1	6.9	7.6	8.4	10.8	13.0	14.6
72.5°	3.9	3.9	4.6	4.6	4.6	5.4	6.1	6.9	8.4	10.0	10.8
75°	3.1	3.1	3.1	3.1	3.9	3.9	4.6	5.4	6.1	6.9	7.6
77.5°	1.5	1.5	2.2	2.2	2.2	3.1	3.1	3.9	4.6	5.4	5.4
80°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	3.1	3.9	3.9
82.5°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	2.2	2.2	2.2
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: P212779

CATALOG NUMBER: LE\_6B10D010 EC6B10209040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8
2.5°	648.9	651.1	651.1	648.9	642.6	648.0	653.4	648.0	655.0	642.6	642.6
5°	648.9	650.4	649.6	646.5	640.4	645.0	648.9	643.5	648.9	637.2	636.5
7.5°	650.4	648.9	647.2	643.5	635.8	638.9	642.6	636.5	641.9	629.6	628.1
10°	647.2	645.0	641.9	636.5	628.1	630.4	632.8	627.4	631.1	618.9	618.1
12.5°	647.2	643.5	638.9	632.8	623.5	625.0	627.4	620.5	623.5	612.0	610.5
15°	648.9	641.9	636.5	629.6	619.6	620.5	622.0	614.2	617.4	605.1	604.4
17.5°	643.5	635.8	630.4	622.0	611.2	612.0	612.0	604.4	606.6	594.4	593.6
20°	632.0	622.8	616.6	608.9	597.4	597.4	597.4	589.8	591.2	580.5	579.0
22.5°	615.9	605.9	599.8	592.0	581.4	580.5	579.8	573.6	573.6	563.6	561.4
25°	594.4	585.1	579.0	572.1	561.4	559.9	559.9	554.5	553.8	544.5	543.0
27.5°	569.9	559.1	553.8	547.6	537.6	536.1	535.2	532.2	530.8	520.8	520.0
30°	536.9	527.6	523.0	517.6	508.5	506.9	506.1	503.1	502.4	492.4	492.4
32.5°	501.6	490.0	487.0	481.6	474.8	474.0	474.8	470.9	467.9	460.9	459.4
35°	459.4	447.9	445.6	443.2	437.9	436.4	435.6	434.9	431.0	426.4	424.1
37.5°	410.2	400.4	400.4	399.6	395.8	395.8	395.8	394.2	390.4	388.9	384.2
40°	357.4	349.8	350.5	351.2	349.8	350.5	351.2	349.8	346.6	345.1	341.2
42.5°	300.6	296.8	299.9	302.1	302.1	304.5	306.0	306.0	302.1	301.4	298.4
45°	243.9	243.1	249.2	253.9	255.4	259.2	261.5	260.0	260.0	260.0	256.9
47.5°	191.0	194.0	199.4	208.6	211.6	216.2	217.8	220.1	219.4	220.1	217.8
50°	145.0	151.9	158.8	168.0	172.5	177.9	180.2	183.2	183.2	184.0	182.5
52.5°	109.6	115.0	126.5	132.6	138.0	143.4	146.5	149.5	150.4	150.4	148.8
55°	81.2	89.0	96.6	105.1	109.6	115.0	117.4	120.4	120.4	122.0	120.4
57.5°	59.0	66.8	75.1	81.2	86.6	90.5	92.8	95.1	96.6	96.6	95.9
60°	43.8	49.9	56.8	62.9	67.5	71.4	72.9	75.1	75.9	75.9	74.4
62.5°	33.0	39.1	45.2	50.6	53.6	56.8	58.2	59.9	59.9	59.9	59.0
65°	26.9	31.5	36.0	40.6	43.8	46.0	46.8	48.4	47.5	48.4	47.5
67.5°	21.5	24.5	28.4	31.5	33.8	35.2	36.0	37.6	36.8	37.6	36.8
70°	16.1	19.1	21.5	23.8	25.2	26.9	27.6	28.4	27.6	28.4	27.6
72.5°	12.2	13.8	16.1	18.4	19.1	20.0	20.8	20.8	20.8	21.5	20.8
75°	8.4	10.0	11.5	12.2	13.8	14.6	14.6	15.4	15.4	15.4	15.4
77.5°	6.1	6.9	7.6	8.4	9.2	10.0	10.0	10.8	10.8	10.8	10.8
80°	3.9	4.6	4.6	5.4	6.1	6.1	6.9	6.9	6.9	6.9	6.9
82.5°	2.2	3.1	3.1	3.9	3.9	3.9	4.6	4.6	4.6	4.6	4.6
85°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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: P212779

CATALOG NUMBER: LE\_6B10D010 EC6B10209040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	658.8	658.8	658.8	658.8
2.5°	648.9	645.0	651.1	641.9
5°	641.9	638.1	645.8	634.2
7.5°	633.5	629.6	636.5	625.0
10°	622.8	618.9	625.0	612.8
12.5°	613.5	609.8	616.6	605.1
15°	606.6	602.8	608.9	598.2
17.5°	595.9	591.2	598.2	586.8
20°	580.5	577.5	582.9	571.4
22.5°	562.9	559.9	566.0	554.5
25°	544.5	540.6	546.9	535.2
27.5°	520.8	517.6	523.8	512.2
30°	492.4	489.2	495.4	484.8
32.5°	460.1	457.1	461.6	452.5
35°	423.4	421.0	425.6	415.6
37.5°	383.5	381.1	385.8	375.8
40°	340.5	338.2	342.0	337.5
42.5°	298.4	296.0	299.9	296.0
45°	256.9	255.4	259.2	255.4
47.5°	218.6	217.0	220.9	217.0
50°	181.8	182.5	184.0	182.5
52.5°	148.8	148.8	151.1	148.8
55°	120.4	121.1	122.0	120.4
57.5°	95.9	95.9	96.6	95.9
60°	74.4	75.1	75.1	74.4
62.5°	59.0	59.0	59.0	59.0
65°	46.8	46.8	47.5	46.8
67.5°	36.8	36.0	36.8	36.0
70°	27.6	27.6	27.6	27.6
72.5°	21.5	21.5	20.8	20.8
75°	15.4	16.1	15.4	15.4
77.5°	10.8	10.8	10.8	10.8
80°	6.9	6.9	6.9	6.9
82.5°	4.6	4.6	4.6	4.6
85°	3.1	2.2	2.2	2.2
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)