

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: P212778

Luminaire Tested: **LE_6B10D010 EC6B10209035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212778
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 EC6B10209035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1100.5 lumens
Efficiency: N/A
Efficacy: 110.0 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

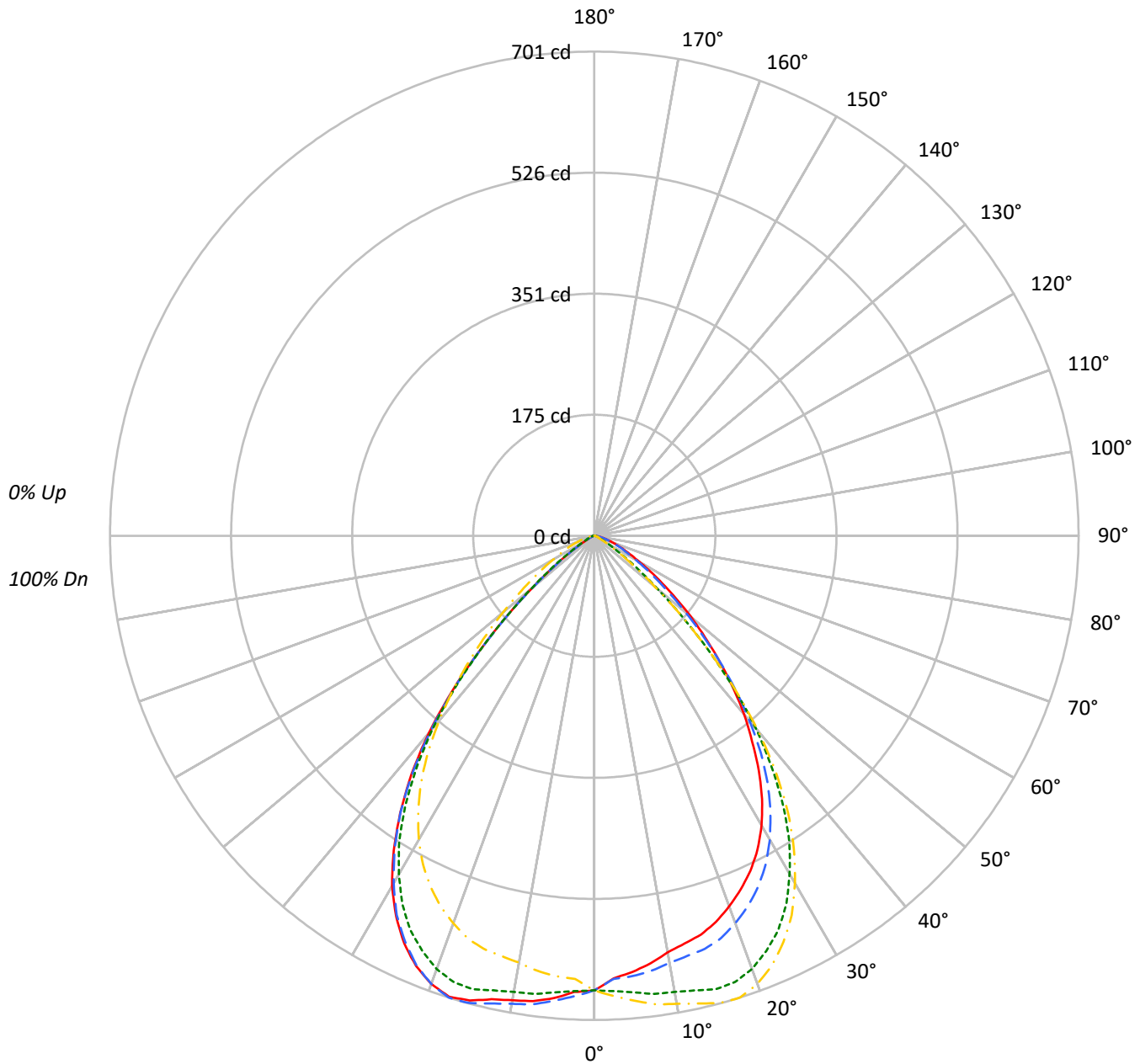
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	70	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36083	36083	36083	36083
5°	34878	36518	36980	36518
10°	34079	37324	38009	37324
15°	33916	38570	39529	38570
20°	33305	38935	40277	38935
25°	32355	38101	39401	38101
30°	30650	35797	37056	35797
35°	27786	31896	32766	31896
40°	24124	25992	26650	25992
45°	19777	17940	18064	17940
50°	15556	10064	9876	10064
55°	11488	4980	4473	4980
60°	8157	2182	1590	2182
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°	63.0	5.7
10°-20°	186.6	17.0
20°-30°	278.5	25.3
30°-40°	286.1	26.0
40°-50°	185.3	16.8
50°-60°	68.9	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°	528.1	48.0
0°-40°	814.3	74.0
0°-60°	1068.5	97.1
0°-90°	1100.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	658	658	658	658	658	
5°	634	664	672	664	634	60
15°	598	680	696	680	598	168
25°	535	630	651	630	535	245
35°	415	477	490	477	415	258
45°	255	231	233	231	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°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	641.4	650.5	644.4	648.2	642.1	642.1	654.4	647.5	652.9	647.5	642.1
5°	633.8	645.2	637.5	641.4	636.0	636.8	648.2	642.9	648.2	644.4	639.9
7.5°	624.5	636.0	629.1	632.9	627.6	629.1	641.4	636.0	642.1	638.2	635.2
10°	612.2	624.5	618.4	622.2	617.6	618.4	630.6	626.8	632.1	629.9	627.6
12.5°	604.6	616.1	609.1	613.0	610.0	611.5	623.0	619.9	626.8	624.5	623.0
15°	597.6	608.4	602.2	606.1	603.8	604.6	616.9	613.8	621.4	619.9	619.1
17.5°	586.1	597.6	590.8	595.4	593.1	593.9	606.1	603.8	611.5	611.5	610.8
20°	570.9	582.4	577.0	580.0	578.5	580.0	590.8	589.2	596.9	596.9	596.9
22.5°	554.0	565.5	559.4	562.4	560.9	563.2	573.1	573.1	579.2	580.0	580.9
25°	534.9	546.4	540.2	544.0	542.5	544.0	553.2	554.0	559.4	559.4	560.9
27.5°	511.9	523.4	517.2	520.2	519.5	520.2	530.2	531.8	534.9	535.6	537.1
30°	484.2	495.0	488.9	491.9	491.9	491.9	501.9	502.6	505.8	506.5	508.0
32.5°	452.1	461.2	456.8	459.8	459.0	460.5	467.4	470.5	474.4	473.5	474.4
35°	415.2	425.2	420.6	423.0	423.8	426.0	430.6	434.5	435.2	436.0	437.5
37.5°	375.5	385.4	380.9	383.1	383.9	388.5	390.0	393.9	395.4	395.4	395.4
40°	337.1	341.8	337.9	340.2	341.0	344.9	346.4	349.4	351.0	350.1	349.4
42.5°	295.8	299.6	295.8	298.1	298.1	301.1	301.9	305.8	305.8	304.2	301.9
45°	255.1	259.0	255.1	256.8	256.8	259.8	259.8	259.8	261.2	259.0	255.1
47.5°	216.9	220.6	216.9	218.4	217.6	219.9	219.1	219.9	217.6	216.1	211.5
50°	182.4	183.9	182.4	181.6	182.4	183.9	183.1	183.1	180.1	177.8	172.4
52.5°	148.6	151.0	148.6	148.6	148.6	150.1	150.1	149.4	146.4	143.2	137.9
55°	120.2	121.9	121.1	120.2	120.2	121.9	120.2	120.2	117.2	115.0	109.6
57.5°	95.8	96.5	95.8	95.8	95.8	96.5	96.5	95.0	92.8	90.4	86.6
60°	74.4	75.1	75.1	74.4	74.4	75.9	75.9	75.1	72.8	71.2	67.4
62.5°	59.0	59.0	59.0	59.0	59.0	59.8	59.8	59.8	58.2	56.8	53.6
65°	46.8	47.5	46.8	46.8	47.5	48.2	47.5	48.2	46.8	46.0	43.6
67.5°	36.0	36.8	36.0	36.8	36.8	37.5	36.8	37.5	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	19.9	19.1
75°	15.4	15.4	16.1	15.4	15.4	15.4	15.4	15.4	14.5	14.5	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°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	648.2	650.5	650.5	648.2	653.6	649.0	658.2	649.8	652.1	659.8	659.0
5°	646.0	649.0	649.8	648.2	655.1	651.4	660.5	652.1	655.9	663.6	663.6
7.5°	642.9	646.8	648.2	649.8	655.9	652.1	662.9	654.4	659.8	669.0	668.1
10°	636.0	641.4	644.4	646.8	652.9	650.5	662.0	655.1	659.8	670.5	669.8
12.5°	632.1	638.2	642.9	646.8	653.6	652.1	663.6	657.5	663.6	674.2	674.2
15°	629.1	636.0	641.4	648.2	655.1	653.6	665.9	660.5	666.6	679.6	678.9
17.5°	621.4	629.9	635.2	642.9	649.8	649.0	662.0	658.2	665.1	677.4	678.1
20°	608.4	616.1	622.2	631.4	639.0	637.5	651.4	647.5	654.4	667.4	668.1
22.5°	591.5	599.2	605.4	615.2	622.2	621.4	635.2	631.4	638.2	650.5	651.4
25°	571.6	578.5	584.6	593.9	601.5	601.5	613.8	610.0	617.6	629.9	629.9
27.5°	547.1	553.2	558.6	569.4	575.5	575.5	587.0	583.1	590.8	601.5	600.8
30°	517.2	522.6	527.1	536.4	541.8	542.5	552.5	548.6	556.2	565.5	565.5
32.5°	481.2	486.6	489.6	501.1	505.0	504.2	511.9	508.0	515.8	525.6	523.4
35°	442.9	445.2	447.5	459.0	460.5	457.5	465.1	461.2	466.6	476.6	475.1
37.5°	399.2	400.0	400.0	410.0	410.8	408.4	413.0	408.4	412.2	421.5	420.6
40°	351.0	350.1	349.4	357.1	356.2	351.8	354.8	351.0	356.2	363.2	359.4
42.5°	301.9	299.6	296.5	300.4	297.2	293.5	295.0	288.9	292.8	298.1	293.5
45°	253.6	249.0	242.9	243.6	239.9	235.2	233.0	226.8	226.0	231.4	227.6
47.5°	208.4	199.2	193.9	190.8	184.6	180.9	176.2	169.4	166.2	169.4	165.5
50°	167.8	158.6	151.8	144.9	138.8	134.1	126.4	121.9	117.2	118.0	115.0
52.5°	132.6	126.4	115.0	109.6	103.5	98.1	91.1	85.9	80.5	80.5	77.4
55°	105.0	96.5	88.9	81.2	75.1	70.5	63.6	58.2	52.9	52.1	49.0
57.5°	81.2	75.1	66.6	59.0	55.1	50.6	43.6	37.5	34.5	32.1	29.9
60°	62.9	56.8	49.8	43.6	39.1	36.0	29.1	24.5	21.5	19.9	17.6
62.5°	50.6	45.2	39.1	33.0	29.9	26.9	21.5	17.6	14.5	13.0	11.5
65°	40.6	36.0	31.4	26.9	24.5	21.5	17.6	14.5	12.2	10.8	9.2
67.5°	31.4	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	14.5	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°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	652.9	659.8	659.8	665.9	666.6	665.1	658.2	658.2	667.4	672.8	663.6
5°	659.0	665.9	665.9	672.0	675.1	672.8	665.9	666.6	675.9	682.0	672.8
7.5°	664.4	671.2	672.8	679.6	682.0	679.6	672.8	674.2	684.2	689.6	680.4
10°	666.6	673.5	674.2	682.0	685.0	682.0	676.6	677.4	688.1	691.9	683.5
12.5°	672.0	678.9	678.9	687.4	690.4	688.1	681.2	682.8	693.5	697.2	688.9
15°	677.4	684.2	684.2	693.5	697.2	694.2	688.9	689.6	700.4	704.2	697.2
17.5°	677.4	683.5	683.5	693.5	697.2	695.0	688.9	689.6	701.1	704.2	697.2
20°	667.4	674.2	672.8	682.8	686.6	684.2	678.9	678.9	690.4	693.5	686.6
22.5°	651.4	657.5	655.9	665.1	669.8	666.6	662.0	661.2	672.8	675.9	669.0
25°	629.1	635.2	633.8	642.9	647.5	643.6	638.2	639.0	648.2	652.9	646.8
27.5°	603.0	606.9	604.6	613.8	618.4	614.5	609.1	610.0	619.1	622.2	617.6
30°	567.8	570.9	568.6	576.2	579.2	577.0	572.4	572.4	580.9	584.6	580.0
32.5°	525.6	528.0	525.6	531.8	537.9	533.4	528.8	528.8	537.9	541.0	535.6
35°	476.6	478.9	477.4	483.5	488.1	482.0	478.1	476.6	488.9	487.4	484.2
37.5°	422.2	423.8	419.1	429.9	432.1	425.2	422.2	420.6	431.4	430.6	427.6
40°	360.9	362.5	359.4	367.0	367.8	362.5	360.1	357.9	368.6	367.8	365.5
42.5°	295.8	296.5	292.8	298.9	300.4	295.0	294.2	291.1	301.1	299.6	298.9
45°	228.4	228.4	225.2	229.9	231.4	226.8	225.2	224.5	231.4	231.4	229.9
47.5°	165.5	163.2	159.4	166.2	167.0	164.0	163.2	160.9	167.8	167.8	166.2
50°	113.4	112.6	111.9	113.4	114.1	110.4	112.6	110.4	114.1	114.1	114.1
52.5°	75.9	75.1	73.5	75.1	75.1	72.8	72.8	72.0	75.1	75.1	73.5
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	26.0	26.0	26.0	26.0	26.0
60°	16.9	16.1	15.4	15.4	15.4	14.5	14.5	14.5	14.5	14.5	14.5
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°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	674.2	666.6	662.9	670.5	673.5	669.8	666.6	661.2	666.6	669.8	673.5
5°	683.5	676.6	673.5	678.9	683.5	679.6	677.4	672.0	677.4	679.6	683.5
7.5°	691.9	685.0	681.2	686.6	691.9	686.6	684.2	679.6	684.2	686.6	691.9
10°	695.0	687.4	684.2	688.9	694.2	688.9	685.8	682.8	685.8	688.9	694.2
12.5°	700.4	692.8	688.9	692.8	698.0	692.8	689.6	687.4	689.6	692.8	698.0
15°	708.0	701.1	696.5	700.4	707.2	701.1	697.2	696.5	697.2	701.1	707.2
17.5°	708.0	702.6	698.0	701.1	708.0	703.4	698.0	699.6	698.0	703.4	708.0
20°	698.0	692.8	688.9	688.9	698.9	692.8	688.1	690.4	688.1	692.8	698.9
22.5°	680.4	675.9	672.0	671.2	681.2	675.9	669.8	674.2	669.8	675.9	681.2
25°	657.5	652.9	649.8	648.2	658.2	652.1	646.8	651.4	646.8	652.1	658.2
27.5°	627.6	623.8	620.6	618.4	627.6	622.2	616.9	621.4	616.9	622.2	627.6
30°	589.2	587.0	583.9	580.9	590.0	584.6	579.2	585.4	579.2	584.6	590.0
32.5°	544.8	543.2	539.5	536.4	545.6	539.5	535.6	540.2	535.6	539.5	545.6
35°	493.5	491.1	488.9	483.5	493.5	488.1	488.1	489.6	488.1	488.1	493.5
37.5°	436.0	434.5	431.4	426.8	435.2	431.4	429.9	434.5	429.9	431.4	435.2
40°	371.6	370.9	368.6	363.2	372.4	368.6	366.2	372.4	366.2	368.6	372.4
42.5°	304.2	302.6	300.4	299.6	304.2	301.1	303.5	303.5	303.5	301.1	304.2
45°	234.5	233.0	231.4	228.4	233.8	232.1	231.4	233.0	231.4	232.1	233.8
47.5°	170.1	168.6	167.0	164.8	170.1	167.8	167.8	169.4	167.8	167.8	170.1
50°	114.1	115.0	114.1	112.6	114.1	113.4	114.1	115.8	114.1	113.4	114.1
52.5°	75.9	75.9	74.4	73.5	75.1	74.4	76.6	75.1	76.6	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°	26.0	26.0	26.9	26.0	27.6	26.9	26.9	26.9	26.9	26.9	27.6
60°	14.5	14.5	14.5	14.5	14.5	14.5	15.4	14.5	15.4	14.5	14.5
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: P212778

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	670.5	662.9	666.6	674.2	663.6	672.8	667.4	658.2	658.2	665.1	666.6
5°	678.9	673.5	676.6	683.5	672.8	682.0	675.9	666.6	665.9	672.8	675.1
7.5°	686.6	681.2	685.0	691.9	680.4	689.6	684.2	674.2	672.8	679.6	682.0
10°	688.9	684.2	687.4	695.0	683.5	691.9	688.1	677.4	676.6	682.0	685.0
12.5°	692.8	688.9	692.8	700.4	688.9	697.2	693.5	682.8	681.2	688.1	690.4
15°	700.4	696.5	701.1	708.0	697.2	704.2	700.4	689.6	688.9	694.2	697.2
17.5°	701.1	698.0	702.6	708.0	697.2	704.2	701.1	689.6	688.9	695.0	697.2
20°	688.9	688.9	692.8	698.0	686.6	693.5	690.4	678.9	678.9	684.2	686.6
22.5°	671.2	672.0	675.9	680.4	669.0	675.9	672.8	661.2	662.0	666.6	669.8
25°	648.2	649.8	652.9	657.5	646.8	652.9	648.2	639.0	638.2	643.6	647.5
27.5°	618.4	620.6	623.8	627.6	617.6	622.2	619.1	610.0	609.1	614.5	618.4
30°	580.9	583.9	587.0	589.2	580.0	584.6	580.9	572.4	572.4	577.0	579.2
32.5°	536.4	539.5	543.2	544.8	535.6	541.0	537.9	528.8	528.8	533.4	537.9
35°	483.5	488.9	491.1	493.5	484.2	487.4	488.9	476.6	478.1	482.0	488.1
37.5°	426.8	431.4	434.5	436.0	427.6	430.6	431.4	420.6	422.2	425.2	432.1
40°	363.2	368.6	370.9	371.6	365.5	367.8	368.6	357.9	360.1	362.5	367.8
42.5°	299.6	300.4	302.6	304.2	298.9	299.6	301.1	291.1	294.2	295.0	300.4
45°	228.4	231.4	233.0	234.5	229.9	231.4	231.4	224.5	225.2	226.8	231.4
47.5°	164.8	167.0	168.6	170.1	166.2	167.8	167.8	160.9	163.2	164.0	167.0
50°	112.6	114.1	115.0	114.1	114.1	114.1	114.1	110.4	112.6	110.4	114.1
52.5°	73.5	74.4	75.9	75.9	73.5	75.1	75.1	72.0	72.8	72.8	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°	26.0	26.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	25.2	26.9
60°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	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: P212778

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	665.9	659.8	659.8	652.9	659.0	659.8	652.1	649.8	658.2	649.0	653.6
5°	672.0	665.9	665.9	659.0	663.6	663.6	655.9	652.1	660.5	651.4	655.1
7.5°	679.6	672.8	671.2	664.4	668.1	669.0	659.8	654.4	662.9	652.1	655.9
10°	682.0	674.2	673.5	666.6	669.8	670.5	659.8	655.1	662.0	650.5	652.9
12.5°	687.4	678.9	678.9	672.0	674.2	674.2	663.6	657.5	663.6	652.1	653.6
15°	693.5	684.2	684.2	677.4	678.9	679.6	666.6	660.5	665.9	653.6	655.1
17.5°	693.5	683.5	683.5	677.4	678.1	677.4	665.1	658.2	662.0	649.0	649.8
20°	682.8	672.8	674.2	667.4	668.1	667.4	654.4	647.5	651.4	637.5	639.0
22.5°	665.1	655.9	657.5	651.4	651.4	650.5	638.2	631.4	635.2	621.4	622.2
25°	642.9	633.8	635.2	629.1	629.9	629.9	617.6	610.0	613.8	601.5	601.5
27.5°	613.8	604.6	606.9	603.0	600.8	601.5	590.8	583.1	587.0	575.5	575.5
30°	576.2	568.6	570.9	567.8	565.5	565.5	556.2	548.6	552.5	542.5	541.8
32.5°	531.8	525.6	528.0	525.6	523.4	525.6	515.8	508.0	511.9	504.2	505.0
35°	483.5	477.4	478.9	476.6	475.1	476.6	466.6	461.2	465.1	457.5	460.5
37.5°	429.9	419.1	423.8	422.2	420.6	421.5	412.2	408.4	413.0	408.4	410.8
40°	367.0	359.4	362.5	360.9	359.4	363.2	356.2	351.0	354.8	351.8	356.2
42.5°	298.9	292.8	296.5	295.8	293.5	298.1	292.8	288.9	295.0	293.5	297.2
45°	229.9	225.2	228.4	228.4	227.6	231.4	226.0	226.8	233.0	235.2	239.9
47.5°	166.2	159.4	163.2	165.5	165.5	169.4	166.2	169.4	176.2	180.9	184.6
50°	113.4	111.9	112.6	113.4	115.0	118.0	117.2	121.9	126.4	134.1	138.8
52.5°	75.1	73.5	75.1	75.9	77.4	80.5	80.5	85.9	91.1	98.1	103.5
55°	46.8	46.0	46.8	47.5	49.0	52.1	52.9	58.2	63.6	70.5	75.1
57.5°	26.9	27.6	27.6	29.1	29.9	32.1	34.5	37.5	43.6	50.6	55.1
60°	15.4	15.4	16.1	16.9	17.6	19.9	21.5	24.5	29.1	36.0	39.1
62.5°	10.0	10.0	10.8	10.8	11.5	13.0	14.5	17.6	21.5	26.9	29.9
65°	8.4	8.4	8.4	9.2	9.2	10.8	12.2	14.5	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	14.5
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: P212778

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	648.2	650.5	650.5	648.2	642.1	647.5	652.9	647.5	654.4	642.1	642.1
5°	648.2	649.8	649.0	646.0	639.9	644.4	648.2	642.9	648.2	636.8	636.0
7.5°	649.8	648.2	646.8	642.9	635.2	638.2	642.1	636.0	641.4	629.1	627.6
10°	646.8	644.4	641.4	636.0	627.6	629.9	632.1	626.8	630.6	618.4	617.6
12.5°	646.8	642.9	638.2	632.1	623.0	624.5	626.8	619.9	623.0	611.5	610.0
15°	648.2	641.4	636.0	629.1	619.1	619.9	621.4	613.8	616.9	604.6	603.8
17.5°	642.9	635.2	629.9	621.4	610.8	611.5	611.5	603.8	606.1	593.9	593.1
20°	631.4	622.2	616.1	608.4	596.9	596.9	596.9	589.2	590.8	580.0	578.5
22.5°	615.2	605.4	599.2	591.5	580.9	580.0	579.2	573.1	573.1	563.2	560.9
25°	593.9	584.6	578.5	571.6	560.9	559.4	559.4	554.0	553.2	544.0	542.5
27.5°	569.4	558.6	553.2	547.1	537.1	535.6	534.9	531.8	530.2	520.2	519.5
30°	536.4	527.1	522.6	517.2	508.0	506.5	505.8	502.6	501.9	491.9	491.9
32.5°	501.1	489.6	486.6	481.2	474.4	473.5	474.4	470.5	467.4	460.5	459.0
35°	459.0	447.5	445.2	442.9	437.5	436.0	435.2	434.5	430.6	426.0	423.8
37.5°	410.0	400.0	400.0	399.2	395.4	395.4	395.4	393.9	390.0	388.5	383.9
40°	357.1	349.4	350.1	351.0	349.4	350.1	351.0	349.4	346.4	344.9	341.0
42.5°	300.4	296.5	299.6	301.9	301.9	304.2	305.8	305.8	301.9	301.1	298.1
45°	243.6	242.9	249.0	253.6	255.1	259.0	261.2	259.8	259.8	259.8	256.8
47.5°	190.8	193.9	199.2	208.4	211.5	216.1	217.6	219.9	219.1	219.9	217.6
50°	144.9	151.8	158.6	167.8	172.4	177.8	180.1	183.1	183.1	183.9	182.4
52.5°	109.6	115.0	126.4	132.6	137.9	143.2	146.4	149.4	150.1	150.1	148.6
55°	81.2	88.9	96.5	105.0	109.6	115.0	117.2	120.2	120.2	121.9	120.2
57.5°	59.0	66.6	75.1	81.2	86.6	90.4	92.8	95.0	96.5	96.5	95.8
60°	43.6	49.8	56.8	62.9	67.4	71.2	72.8	75.1	75.9	75.9	74.4
62.5°	33.0	39.1	45.2	50.6	53.6	56.8	58.2	59.8	59.8	59.8	59.0
65°	26.9	31.4	36.0	40.6	43.6	46.0	46.8	48.2	47.5	48.2	47.5
67.5°	21.5	24.5	28.4	31.4	33.8	35.2	36.0	37.5	36.8	37.5	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	19.9	20.8	20.8	20.8	21.5	20.8
75°	8.4	10.0	11.5	12.2	13.8	14.5	14.5	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: P212778

CATALOG NUMBER: LE_6B10D010 EC6B10209035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	658.2	658.2	658.2	658.2
2.5°	648.2	644.4	650.5	641.4
5°	641.4	637.5	645.2	633.8
7.5°	632.9	629.1	636.0	624.5
10°	622.2	618.4	624.5	612.2
12.5°	613.0	609.1	616.1	604.6
15°	606.1	602.2	608.4	597.6
17.5°	595.4	590.8	597.6	586.1
20°	580.0	577.0	582.4	570.9
22.5°	562.4	559.4	565.5	554.0
25°	544.0	540.2	546.4	534.9
27.5°	520.2	517.2	523.4	511.9
30°	491.9	488.9	495.0	484.2
32.5°	459.8	456.8	461.2	452.1
35°	423.0	420.6	425.2	415.2
37.5°	383.1	380.9	385.4	375.5
40°	340.2	337.9	341.8	337.1
42.5°	298.1	295.8	299.6	295.8
45°	256.8	255.1	259.0	255.1
47.5°	218.4	216.9	220.6	216.9
50°	181.6	182.4	183.9	182.4
52.5°	148.6	148.6	151.0	148.6
55°	120.2	121.1	121.9	120.2
57.5°	95.8	95.8	96.5	95.8
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)