

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: P212772

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212772
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 EC6B10208035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1301.0 lumens
Efficiency: N/A
Efficacy: 130.1 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

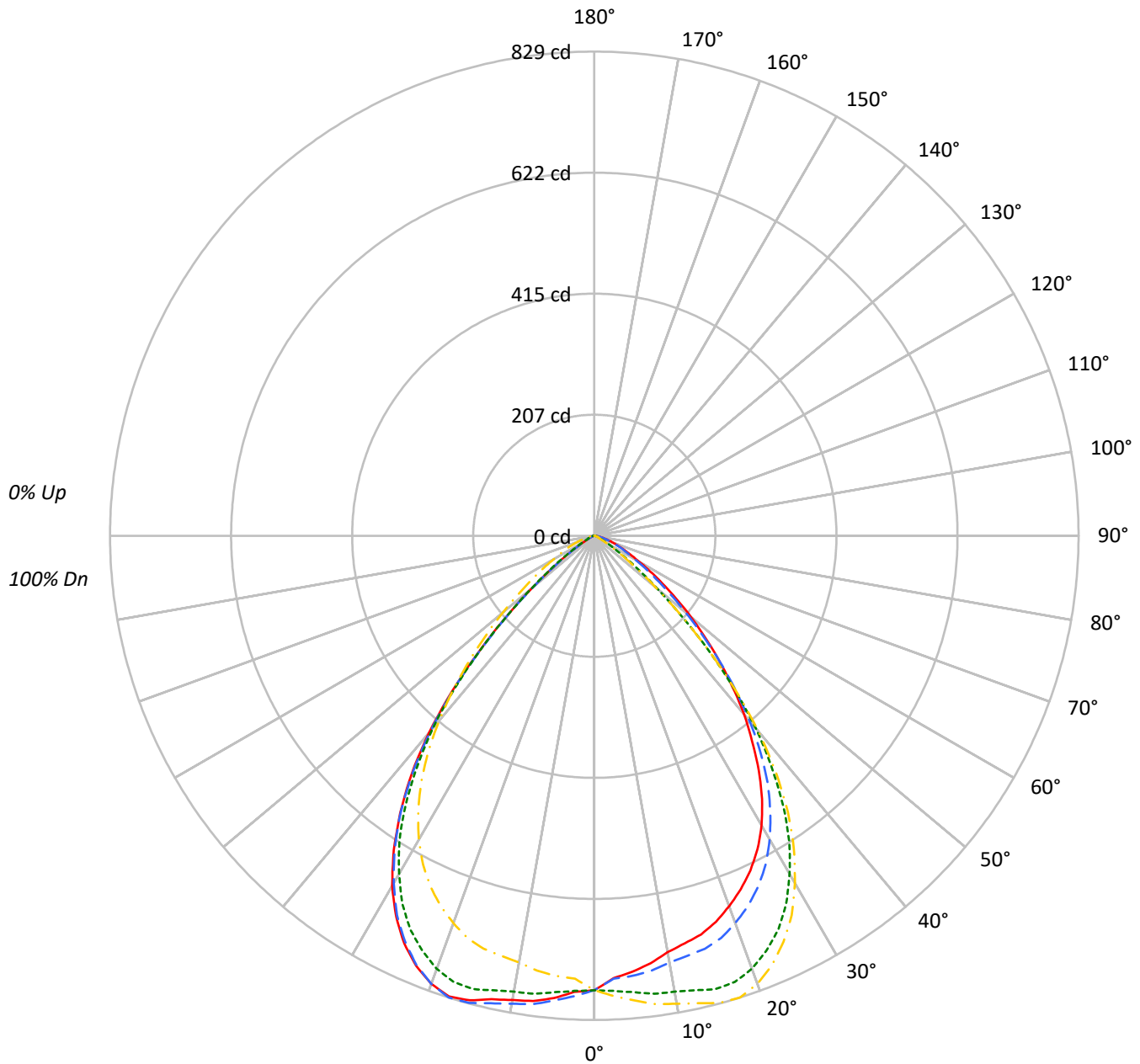
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	71	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°	42656	42656	42656	42656
5°	41223	43171	43721	43171
10°	40291	44121	44928	44121
15°	40102	45602	46737	45602
20°	39373	46029	47616	46029
25°	38240	45039	46575	45039
30°	36240	42317	43811	42317
35°	32859	37711	38742	37711
40°	28525	30729	31502	30729
45°	23382	21212	21351	21212
50°	18387	11897	11667	11897
55°	13591	5887	5276	5887
60°	9637	2577	1886	2577
65°	7160	1634	1167	1634
70°	5225	1298	866	1298
75°	3834	953	593	953
80°	2557	884	284	884
85°	1761	566	566	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	5.7
10°-20°	220.6	17.0
20°-30°	329.2	25.3
30°-40°	338.3	26.0
40°-50°	219.1	16.8
50°-60°	81.5	6.3
60°-70°	26.7	2.1
70°-80°	9.4	0.7
80°-90°	1.7	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°	624.4	48.0
0°-40°	962.6	74.0
0°-60°	1263.2	97.1
0°-90°	1301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	778	778	778	778	778	
5°	749	784	794	784	749	71
15°	707	804	824	804	707	199
25°	632	745	770	745	632	290
35°	491	564	579	564	491	305
45°	302	274	275	274	302	233
55°	142	62	55	62	142	130
65°	55	13	9	13	55	56
75°	18	4	3	4	18	20
85°	3	1	1	1	3	4
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°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	758.2	769.1	761.9	766.4	759.1	759.1	773.6	765.5	771.8	765.5	759.1
5°	749.1	762.8	753.8	758.2	751.9	752.8	766.4	760.0	766.4	761.9	756.4
7.5°	738.2	751.9	743.8	748.2	741.9	743.8	758.2	751.9	759.1	754.6	751.0
10°	723.8	738.2	731.0	735.6	730.1	731.0	745.5	741.0	747.4	744.6	741.9
12.5°	714.8	728.4	720.1	724.8	721.1	722.9	736.5	732.9	741.0	738.2	736.5
15°	706.6	719.2	712.0	716.5	713.9	714.8	729.2	725.6	734.6	732.9	732.0
17.5°	693.0	706.6	698.4	703.9	701.1	702.0	716.5	713.9	722.9	722.9	722.0
20°	674.9	688.5	682.1	685.8	684.0	685.8	698.4	696.6	705.6	705.6	705.6
22.5°	655.0	668.5	661.2	664.9	663.1	665.9	677.6	677.6	684.9	685.8	686.6
25°	632.2	645.9	638.6	643.1	641.4	643.1	654.0	655.0	661.2	661.2	663.1
27.5°	605.1	618.8	611.5	615.1	614.1	615.1	626.9	628.6	632.2	633.2	635.0
30°	572.5	585.2	578.0	581.6	581.6	581.6	593.4	594.2	597.9	598.8	600.6
32.5°	534.5	545.4	539.9	543.5	542.6	544.4	552.6	556.2	560.8	559.9	560.8
35°	491.0	502.8	497.4	500.0	501.0	503.6	509.1	513.6	514.5	515.5	517.2
37.5°	443.9	455.6	450.2	453.0	453.9	459.2	461.1	465.6	467.4	467.4	467.4
40°	398.6	404.0	399.5	402.2	403.1	407.6	409.5	413.1	414.9	414.0	413.1
42.5°	349.6	354.2	349.6	352.4	352.4	356.0	356.9	361.5	361.5	359.6	356.9
45°	301.6	306.1	301.6	303.5	303.5	307.1	307.1	307.1	308.9	306.1	301.6
47.5°	256.4	260.9	256.4	258.1	257.2	260.0	259.1	260.0	257.2	255.5	250.0
50°	215.6	217.4	215.6	214.8	215.6	217.4	216.5	216.5	212.9	210.1	203.9
52.5°	175.8	178.5	175.8	175.8	175.8	177.5	177.5	176.6	173.0	169.4	163.0
55°	142.2	144.0	143.1	142.2	142.2	144.0	142.2	142.2	138.6	135.9	129.5
57.5°	113.2	114.1	113.2	113.2	113.2	114.1	114.1	112.4	109.6	106.9	102.4
60°	87.9	88.8	88.8	87.9	87.9	89.6	89.6	88.8	86.0	84.2	79.8
62.5°	69.8	69.8	69.8	69.8	69.8	70.6	70.6	70.6	68.9	67.0	63.4
65°	55.2	56.1	55.2	55.2	56.1	57.1	56.1	57.1	55.2	54.4	51.6
67.5°	42.6	43.5	42.6	43.5	43.5	44.4	43.5	44.4	42.6	41.6	39.9
70°	32.6	32.6	32.6	32.6	32.6	33.5	32.6	33.5	32.6	31.8	29.9
72.5°	24.5	24.5	25.4	25.4	24.5	25.4	24.5	24.5	24.5	23.5	22.6
75°	18.1	18.1	19.0	18.1	18.1	18.1	18.1	18.1	17.2	17.2	16.2
77.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	11.8	11.8	10.9
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.2	7.2
82.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.5	4.5
85°	2.8	2.8	2.8	3.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	0.9	0.9	0.9	1.8	0.9	0.9	1.8	1.8	0.9	0.9	0.9
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°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	766.4	769.1	769.1	766.4	772.8	767.2	778.1	768.1	770.9	780.0	779.0
5°	763.6	767.2	768.1	766.4	774.5	770.0	780.9	770.9	775.4	784.5	784.5
7.5°	760.0	764.5	766.4	768.1	775.4	770.9	783.6	773.6	780.0	790.9	789.9
10°	751.9	758.2	761.9	764.5	771.8	769.1	782.6	774.5	780.0	792.6	791.8
12.5°	747.4	754.6	760.0	764.5	772.8	770.9	784.5	777.2	784.5	797.1	797.1
15°	743.8	751.9	758.2	766.4	774.5	772.8	787.2	780.9	788.1	803.5	802.6
17.5°	734.6	744.6	751.0	760.0	768.1	767.2	782.6	778.1	786.2	800.8	801.8
20°	719.2	728.4	735.6	746.5	755.5	753.8	770.0	765.5	773.6	789.0	789.9
22.5°	699.4	708.4	715.6	727.4	735.6	734.6	751.0	746.5	754.6	769.1	770.0
25°	675.8	684.0	691.1	702.0	711.1	711.1	725.6	721.1	730.1	744.6	744.6
27.5°	646.8	654.0	660.4	673.1	680.4	680.4	693.9	689.4	698.4	711.1	710.2
30°	611.5	617.8	623.2	634.1	640.5	641.4	653.1	648.6	657.6	668.5	668.5
32.5°	568.9	575.2	578.9	592.5	597.0	596.1	605.1	600.6	609.6	621.4	618.8
35°	523.6	526.4	529.0	542.6	544.4	540.8	549.9	545.4	551.6	563.5	561.6
37.5°	472.0	472.9	472.9	484.6	485.5	482.9	488.2	482.9	487.4	498.2	497.4
40°	414.9	414.0	413.1	422.1	421.2	415.8	419.4	414.9	421.2	429.4	424.9
42.5°	356.9	354.2	350.6	355.1	351.5	347.0	348.8	341.5	346.0	352.4	347.0
45°	299.9	294.4	287.1	288.1	283.5	278.1	275.4	268.1	267.2	273.6	269.0
47.5°	246.4	235.5	229.1	225.6	218.4	213.8	208.4	200.2	196.6	200.2	195.6
50°	198.4	187.5	179.4	171.2	164.0	158.5	149.5	144.0	138.6	139.5	135.9
52.5°	156.8	149.5	135.9	129.5	122.2	116.0	107.8	101.5	95.1	95.1	91.5
55°	124.1	114.1	105.1	96.0	88.8	83.4	75.2	68.9	62.5	61.6	58.0
57.5°	96.0	88.8	78.8	69.8	65.2	59.8	51.6	44.4	40.8	38.0	35.4
60°	74.2	67.0	58.9	51.6	46.2	42.6	34.4	29.0	25.4	23.5	20.9
62.5°	59.8	53.5	46.2	39.0	35.4	31.8	25.4	20.9	17.2	15.4	13.6
65°	48.0	42.6	37.1	31.8	29.0	25.4	20.9	17.2	14.5	12.6	10.9
67.5°	37.1	33.5	29.0	25.4	22.6	19.9	16.2	13.6	11.8	10.0	9.0
70°	28.1	25.4	22.6	19.0	17.2	15.4	12.6	10.0	9.0	8.1	7.2
72.5°	21.8	19.0	16.2	14.5	12.6	11.8	10.0	8.1	7.2	6.4	5.4
75°	14.5	13.6	11.8	10.0	9.0	8.1	7.2	6.4	5.4	4.5	4.5
77.5°	10.0	9.0	8.1	7.2	6.4	6.4	5.4	4.5	3.6	3.6	2.8
80°	6.4	5.4	5.4	4.5	4.5	4.5	3.6	2.8	2.8	2.8	1.8
82.5°	4.5	3.6	3.6	2.8	2.8	2.8	2.8	1.8	1.8	1.8	0.9
85°	2.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	771.8	780.0	780.0	787.2	788.1	786.2	778.1	778.1	789.0	795.4	784.5
5°	779.0	787.2	787.2	794.5	798.1	795.4	787.2	788.1	799.0	806.2	795.4
7.5°	785.4	793.5	795.4	803.5	806.2	803.5	795.4	797.1	809.0	815.2	804.4
10°	788.1	796.2	797.1	806.2	809.9	806.2	799.9	800.8	813.5	818.0	808.0
12.5°	794.5	802.6	802.6	812.6	816.2	813.5	805.4	807.1	819.9	824.4	814.4
15°	800.8	809.0	809.0	819.9	824.4	820.8	814.4	815.2	828.0	832.5	824.4
17.5°	800.8	808.0	808.0	819.9	824.4	821.6	814.4	815.2	828.9	832.5	824.4
20°	789.0	797.1	795.4	807.1	811.6	809.0	802.6	802.6	816.2	819.9	811.6
22.5°	770.0	777.2	775.4	786.2	791.8	788.1	782.6	781.8	795.4	799.0	790.9
25°	743.8	751.0	749.1	760.0	765.5	760.9	754.6	755.5	766.4	771.8	764.5
27.5°	712.9	717.5	714.8	725.6	731.0	726.5	720.1	721.1	732.0	735.6	730.1
30°	671.2	674.9	672.1	681.2	684.9	682.1	676.8	676.8	686.6	691.1	685.8
32.5°	621.4	624.1	621.4	628.6	635.9	630.5	625.0	625.0	635.9	639.5	633.2
35°	563.5	566.1	564.4	571.6	577.0	569.8	565.2	563.5	578.0	576.1	572.5
37.5°	499.1	501.0	495.5	508.2	510.9	502.8	499.1	497.4	510.0	509.1	505.5
40°	426.6	428.5	424.9	433.9	434.9	428.5	425.8	423.0	435.8	434.9	432.1
42.5°	349.6	350.6	346.0	353.2	355.1	348.8	347.9	344.2	356.0	354.2	353.2
45°	270.0	270.0	266.4	271.8	273.6	268.1	266.4	265.4	273.6	273.6	271.8
47.5°	195.6	193.0	188.4	196.6	197.5	193.9	193.0	190.2	198.4	198.4	196.6
50°	134.1	133.1	132.2	134.1	135.0	130.5	133.1	130.5	135.0	135.0	135.0
52.5°	89.6	88.8	87.0	88.8	88.8	86.0	86.0	85.1	88.8	88.8	87.0
55°	56.1	55.2	54.4	55.2	55.2	52.5	54.4	52.5	54.4	54.4	53.5
57.5°	34.4	32.6	32.6	31.8	31.8	29.9	30.8	30.8	30.8	30.8	30.8
60°	19.9	19.0	18.1	18.1	18.1	17.2	17.2	17.2	17.2	17.2	17.2
62.5°	12.6	12.6	11.8	11.8	11.8	11.8	11.8	10.9	11.8	11.8	11.8
65°	10.9	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0
67.5°	9.0	8.1	8.1	8.1	8.1	7.2	7.2	7.2	7.2	7.2	7.2
70°	7.2	6.4	6.4	6.4	6.4	6.4	5.4	6.4	6.4	5.4	5.4
72.5°	5.4	5.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	3.6	3.6	3.6	3.6	3.6	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.0	0.9	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°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	797.1	788.1	783.6	792.6	796.2	791.8	788.1	781.8	788.1	791.8	796.2
5°	808.0	799.9	796.2	802.6	808.0	803.5	800.8	794.5	800.8	803.5	808.0
7.5°	818.0	809.9	805.4	811.6	818.0	811.6	809.0	803.5	809.0	811.6	818.0
10°	821.6	812.6	809.0	814.4	820.8	814.4	810.8	807.1	810.8	814.4	820.8
12.5°	828.0	818.9	814.4	818.9	825.2	818.9	815.2	812.6	815.2	818.9	825.2
15°	837.0	828.9	823.5	828.0	836.1	828.9	824.4	823.5	824.4	828.9	836.1
17.5°	837.0	830.8	825.2	828.9	837.0	831.6	825.2	827.1	825.2	831.6	837.0
20°	825.2	818.9	814.4	814.4	826.1	818.9	813.5	816.2	813.5	818.9	826.1
22.5°	804.4	799.0	794.5	793.5	805.4	799.0	791.8	797.1	791.8	799.0	805.4
25°	777.2	771.8	768.1	766.4	778.1	770.9	764.5	770.0	764.5	770.9	778.1
27.5°	741.9	737.4	733.8	731.0	741.9	735.6	729.2	734.6	729.2	735.6	741.9
30°	696.6	693.9	690.2	686.6	697.5	691.1	684.9	692.1	684.9	691.1	697.5
32.5°	644.1	642.2	637.8	634.1	645.0	637.8	633.2	638.6	633.2	637.8	645.0
35°	583.4	580.6	578.0	571.6	583.4	577.0	577.0	578.9	577.0	577.0	583.4
37.5°	515.5	513.6	510.0	504.6	514.5	510.0	508.2	513.6	508.2	510.0	514.5
40°	439.4	438.5	435.8	429.4	440.2	435.8	433.0	440.2	433.0	435.8	440.2
42.5°	359.6	357.9	355.1	354.2	359.6	356.0	358.8	358.8	358.8	356.0	359.6
45°	277.2	275.4	273.6	270.0	276.2	274.5	273.6	275.4	273.6	274.5	276.2
47.5°	201.1	199.2	197.5	194.8	201.1	198.4	198.4	200.2	198.4	198.4	201.1
50°	135.0	135.9	135.0	133.1	135.0	134.1	135.0	136.8	135.0	134.1	135.0
52.5°	89.6	89.6	87.9	87.0	88.8	87.9	90.6	88.8	90.6	87.9	88.8
55°	54.4	55.2	54.4	53.5	54.4	53.5	56.1	55.2	56.1	53.5	54.4
57.5°	30.8	30.8	31.8	30.8	32.6	31.8	31.8	31.8	31.8	31.8	32.6
60°	17.2	17.2	17.2	17.2	17.2	17.2	18.1	17.2	18.1	17.2	17.2
62.5°	11.8	11.8	11.8	10.9	11.8	10.9	11.8	11.8	11.8	10.9	11.8
65°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
67.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
70°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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: P212772

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	792.6	783.6	788.1	797.1	784.5	795.4	789.0	778.1	778.1	786.2	788.1
5°	802.6	796.2	799.9	808.0	795.4	806.2	799.0	788.1	787.2	795.4	798.1
7.5°	811.6	805.4	809.9	818.0	804.4	815.2	809.0	797.1	795.4	803.5	806.2
10°	814.4	809.0	812.6	821.6	808.0	818.0	813.5	800.8	799.9	806.2	809.9
12.5°	818.9	814.4	818.9	828.0	814.4	824.4	819.9	807.1	805.4	813.5	816.2
15°	828.0	823.5	828.9	837.0	824.4	832.5	828.0	815.2	814.4	820.8	824.4
17.5°	828.9	825.2	830.8	837.0	824.4	832.5	828.9	815.2	814.4	821.6	824.4
20°	814.4	814.4	818.9	825.2	811.6	819.9	816.2	802.6	802.6	809.0	811.6
22.5°	793.5	794.5	799.0	804.4	790.9	799.0	795.4	781.8	782.6	788.1	791.8
25°	766.4	768.1	771.8	777.2	764.5	771.8	766.4	755.5	754.6	760.9	765.5
27.5°	731.0	733.8	737.4	741.9	730.1	735.6	732.0	721.1	720.1	726.5	731.0
30°	686.6	690.2	693.9	696.6	685.8	691.1	686.6	676.8	676.8	682.1	684.9
32.5°	634.1	637.8	642.2	644.1	633.2	639.5	635.9	625.0	625.0	630.5	635.9
35°	571.6	578.0	580.6	583.4	572.5	576.1	578.0	563.5	565.2	569.8	577.0
37.5°	504.6	510.0	513.6	515.5	505.5	509.1	510.0	497.4	499.1	502.8	510.9
40°	429.4	435.8	438.5	439.4	432.1	434.9	435.8	423.0	425.8	428.5	434.9
42.5°	354.2	355.1	357.9	359.6	353.2	354.2	356.0	344.2	347.9	348.8	355.1
45°	270.0	273.6	275.4	277.2	271.8	273.6	273.6	265.4	266.4	268.1	273.6
47.5°	194.8	197.5	199.2	201.1	196.6	198.4	198.4	190.2	193.0	193.9	197.5
50°	133.1	135.0	135.9	135.0	135.0	135.0	135.0	130.5	133.1	130.5	135.0
52.5°	87.0	87.9	89.6	89.6	87.0	88.8	88.8	85.1	86.0	86.0	88.8
55°	53.5	54.4	55.2	54.4	53.5	54.4	54.4	52.5	54.4	52.5	55.2
57.5°	30.8	31.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	29.9	31.8
60°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	18.1
62.5°	10.9	11.8	11.8	11.8	11.8	11.8	11.8	10.9	11.8	11.8	11.8
65°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0
67.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.1
70°	5.4	5.4	5.4	5.4	5.4	5.4	6.4	6.4	5.4	6.4	6.4
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.6
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.0	0.9
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):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	787.2	780.0	780.0	771.8	779.0	780.0	770.9	768.1	778.1	767.2	772.8
5°	794.5	787.2	787.2	779.0	784.5	784.5	775.4	770.9	780.9	770.0	774.5
7.5°	803.5	795.4	793.5	785.4	789.9	790.9	780.0	773.6	783.6	770.9	775.4
10°	806.2	797.1	796.2	788.1	791.8	792.6	780.0	774.5	782.6	769.1	771.8
12.5°	812.6	802.6	802.6	794.5	797.1	797.1	784.5	777.2	784.5	770.9	772.8
15°	819.9	809.0	809.0	800.8	802.6	803.5	788.1	780.9	787.2	772.8	774.5
17.5°	819.9	808.0	808.0	800.8	801.8	800.8	786.2	778.1	782.6	767.2	768.1
20°	807.1	795.4	797.1	789.0	789.9	789.0	773.6	765.5	770.0	753.8	755.5
22.5°	786.2	775.4	777.2	770.0	770.0	769.1	754.6	746.5	751.0	734.6	735.6
25°	760.0	749.1	751.0	743.8	744.6	744.6	730.1	721.1	725.6	711.1	711.1
27.5°	725.6	714.8	717.5	712.9	710.2	711.1	698.4	689.4	693.9	680.4	680.4
30°	681.2	672.1	674.9	671.2	668.5	668.5	657.6	648.6	653.1	641.4	640.5
32.5°	628.6	621.4	624.1	621.4	618.8	621.4	609.6	600.6	605.1	596.1	597.0
35°	571.6	564.4	566.1	563.5	561.6	563.5	551.6	545.4	549.9	540.8	544.4
37.5°	508.2	495.5	501.0	499.1	497.4	498.2	487.4	482.9	488.2	482.9	485.5
40°	433.9	424.9	428.5	426.6	424.9	429.4	421.2	414.9	419.4	415.8	421.2
42.5°	353.2	346.0	350.6	349.6	347.0	352.4	346.0	341.5	348.8	347.0	351.5
45°	271.8	266.4	270.0	270.0	269.0	273.6	267.2	268.1	275.4	278.1	283.5
47.5°	196.6	188.4	193.0	195.6	195.6	200.2	196.6	200.2	208.4	213.8	218.4
50°	134.1	132.2	133.1	134.1	135.9	139.5	138.6	144.0	149.5	158.5	164.0
52.5°	88.8	87.0	88.8	89.6	91.5	95.1	95.1	101.5	107.8	116.0	122.2
55°	55.2	54.4	55.2	56.1	58.0	61.6	62.5	68.9	75.2	83.4	88.8
57.5°	31.8	32.6	32.6	34.4	35.4	38.0	40.8	44.4	51.6	59.8	65.2
60°	18.1	18.1	19.0	19.9	20.9	23.5	25.4	29.0	34.4	42.6	46.2
62.5°	11.8	11.8	12.6	12.6	13.6	15.4	17.2	20.9	25.4	31.8	35.4
65°	10.0	10.0	10.0	10.9	10.9	12.6	14.5	17.2	20.9	25.4	29.0
67.5°	8.1	8.1	8.1	9.0	9.0	10.0	11.8	13.6	16.2	19.9	22.6
70°	6.4	6.4	6.4	7.2	7.2	8.1	9.0	10.0	12.6	15.4	17.2
72.5°	4.5	4.5	5.4	5.4	5.4	6.4	7.2	8.1	10.0	11.8	12.6
75°	3.6	3.6	3.6	3.6	4.5	4.5	5.4	6.4	7.2	8.1	9.0
77.5°	1.8	1.8	2.8	2.8	2.8	3.6	3.6	4.5	5.4	6.4	6.4
80°	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6	4.5	4.5
82.5°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.8	2.8	2.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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: P212772

CATALOG NUMBER: LE_6B10D010 EC6B10208035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	766.4	769.1	769.1	766.4	759.1	765.5	771.8	765.5	773.6	759.1	759.1
5°	766.4	768.1	767.2	763.6	756.4	761.9	766.4	760.0	766.4	752.8	751.9
7.5°	768.1	766.4	764.5	760.0	751.0	754.6	759.1	751.9	758.2	743.8	741.9
10°	764.5	761.9	758.2	751.9	741.9	744.6	747.4	741.0	745.5	731.0	730.1
12.5°	764.5	760.0	754.6	747.4	736.5	738.2	741.0	732.9	736.5	722.9	721.1
15°	766.4	758.2	751.9	743.8	732.0	732.9	734.6	725.6	729.2	714.8	713.9
17.5°	760.0	751.0	744.6	734.6	722.0	722.9	722.9	713.9	716.5	702.0	701.1
20°	746.5	735.6	728.4	719.2	705.6	705.6	705.6	696.6	698.4	685.8	684.0
22.5°	727.4	715.6	708.4	699.4	686.6	685.8	684.9	677.6	677.6	665.9	663.1
25°	702.0	691.1	684.0	675.8	663.1	661.2	661.2	655.0	654.0	643.1	641.4
27.5°	673.1	660.4	654.0	646.8	635.0	633.2	632.2	628.6	626.9	615.1	614.1
30°	634.1	623.2	617.8	611.5	600.6	598.8	597.9	594.2	593.4	581.6	581.6
32.5°	592.5	578.9	575.2	568.9	560.8	559.9	560.8	556.2	552.6	544.4	542.6
35°	542.6	529.0	526.4	523.6	517.2	515.5	514.5	513.6	509.1	503.6	501.0
37.5°	484.6	472.9	472.9	472.0	467.4	467.4	467.4	465.6	461.1	459.2	453.9
40°	422.1	413.1	414.0	414.9	413.1	414.0	414.9	413.1	409.5	407.6	403.1
42.5°	355.1	350.6	354.2	356.9	356.9	359.6	361.5	361.5	356.9	356.0	352.4
45°	288.1	287.1	294.4	299.9	301.6	306.1	308.9	307.1	307.1	307.1	303.5
47.5°	225.6	229.1	235.5	246.4	250.0	255.5	257.2	260.0	259.1	260.0	257.2
50°	171.2	179.4	187.5	198.4	203.9	210.1	212.9	216.5	216.5	217.4	215.6
52.5°	129.5	135.9	149.5	156.8	163.0	169.4	173.0	176.6	177.5	177.5	175.8
55°	96.0	105.1	114.1	124.1	129.5	135.9	138.6	142.2	142.2	144.0	142.2
57.5°	69.8	78.8	88.8	96.0	102.4	106.9	109.6	112.4	114.1	114.1	113.2
60°	51.6	58.9	67.0	74.2	79.8	84.2	86.0	88.8	89.6	89.6	87.9
62.5°	39.0	46.2	53.5	59.8	63.4	67.0	68.9	70.6	70.6	70.6	69.8
65°	31.8	37.1	42.6	48.0	51.6	54.4	55.2	57.1	56.1	57.1	56.1
67.5°	25.4	29.0	33.5	37.1	39.9	41.6	42.6	44.4	43.5	44.4	43.5
70°	19.0	22.6	25.4	28.1	29.9	31.8	32.6	33.5	32.6	33.5	32.6
72.5°	14.5	16.2	19.0	21.8	22.6	23.5	24.5	24.5	24.5	25.4	24.5
75°	10.0	11.8	13.6	14.5	16.2	17.2	17.2	18.1	18.1	18.1	18.1
77.5°	7.2	8.1	9.0	10.0	10.9	11.8	11.8	12.6	12.6	12.6	12.6
80°	4.5	5.4	5.4	6.4	7.2	7.2	8.1	8.1	8.1	8.1	8.1
82.5°	2.8	3.6	3.6	4.5	4.5	4.5	5.4	5.4	5.4	5.4	5.4
85°	1.8	1.8	1.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	0.9	0.9
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: P212772

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	778.1	778.1	778.1	778.1
2.5°	766.4	761.9	769.1	758.2
5°	758.2	753.8	762.8	749.1
7.5°	748.2	743.8	751.9	738.2
10°	735.6	731.0	738.2	723.8
12.5°	724.8	720.1	728.4	714.8
15°	716.5	712.0	719.2	706.6
17.5°	703.9	698.4	706.6	693.0
20°	685.8	682.1	688.5	674.9
22.5°	664.9	661.2	668.5	655.0
25°	643.1	638.6	645.9	632.2
27.5°	615.1	611.5	618.8	605.1
30°	581.6	578.0	585.2	572.5
32.5°	543.5	539.9	545.4	534.5
35°	500.0	497.4	502.8	491.0
37.5°	453.0	450.2	455.6	443.9
40°	402.2	399.5	404.0	398.6
42.5°	352.4	349.6	354.2	349.6
45°	303.5	301.6	306.1	301.6
47.5°	258.1	256.4	260.9	256.4
50°	214.8	215.6	217.4	215.6
52.5°	175.8	175.8	178.5	175.8
55°	142.2	143.1	144.0	142.2
57.5°	113.2	113.2	114.1	113.2
60°	87.9	88.8	88.8	87.9
62.5°	69.8	69.8	69.8	69.8
65°	55.2	55.2	56.1	55.2
67.5°	43.5	42.6	43.5	42.6
70°	32.6	32.6	32.6	32.6
72.5°	25.4	25.4	24.5	24.5
75°	18.1	19.0	18.1	18.1
77.5°	12.6	12.6	12.6	12.6
80°	8.1	8.1	8.1	8.1
82.5°	5.4	5.4	5.4	5.4
85°	3.6	2.8	2.8	2.8
87.5°	1.8	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)