

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: P212770

Luminaire Tested: **LE_6B10D010 EC6B10208027 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212770
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 EC6B10208027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1214.6 lumens
Efficiency: N/A
Efficacy: 121.5 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

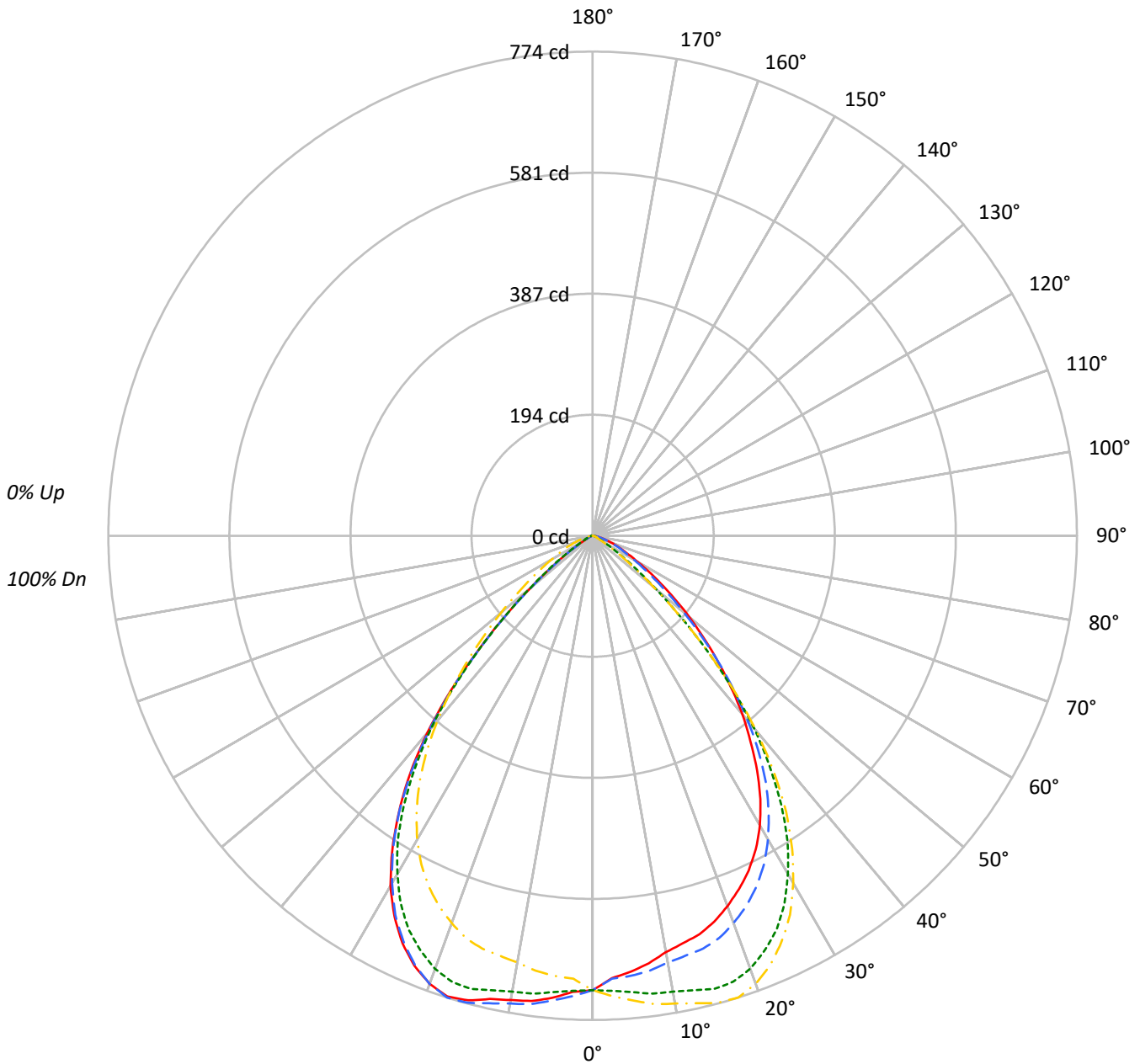
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	39821	39821	39821	39821
5°	38488	40304	40810	40304
10°	37608	41193	41944	41193
15°	37435	42571	43632	42571
20°	36753	42972	44454	42972
25°	35700	42045	43484	42045
30°	33834	39506	40899	39506
35°	30678	35202	36165	35202
40°	26628	28689	29412	28689
45°	21832	19801	19932	19801
50°	17159	11104	10899	11104
55°	12692	5496	4932	5496
60°	8991	2412	1765	2412
65°	6693	1544	1103	1544
70°	4889	1218	817	1218
75°	3580	890	530	890
80°	2399	789	284	789
85°	1572	566	566	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	5.7
10°-20°	206.0	17.0
20°-30°	307.4	25.3
30°-40°	315.8	26.0
40°-50°	204.5	16.8
50°-60°	76.0	6.3
60°-70°	25.0	2.1
70°-80°	8.8	0.7
80°-90°	1.6	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°	582.9	48.0
0°-40°	898.7	74.0
0°-60°	1179.2	97.1
0°-90°	1214.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	726	726	726	726	726	
5°	699	732	742	732	699	66
15°	660	750	769	750	660	186
25°	590	695	719	695	590	271
35°	458	526	540	526	458	285
45°	282	255	257	255	282	218
55°	133	58	52	58	133	121
65°	52	12	8	12	52	52
75°	17	4	2	4	17	19
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°	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
2.5°	707.9	718.0	711.2	715.4	708.6	708.6	722.2	714.6	720.5	714.6	708.6
5°	699.4	712.0	703.6	707.9	701.9	702.8	715.4	709.5	715.4	711.2	706.1
7.5°	689.2	701.9	694.2	698.5	692.6	694.2	707.9	701.9	708.6	704.4	701.0
10°	675.6	689.2	682.5	686.6	681.6	682.5	696.0	691.8	697.6	695.1	692.6
12.5°	667.2	679.9	672.2	676.5	673.1	674.9	687.5	684.1	691.8	689.2	687.5
15°	659.6	671.5	664.8	668.9	666.4	667.2	680.8	677.4	685.9	684.1	683.2
17.5°	646.9	659.6	652.0	657.1	654.5	655.4	668.9	666.4	674.9	674.9	674.0
20°	630.0	642.8	636.8	640.1	638.5	640.1	652.0	650.4	658.8	658.8	658.8
22.5°	611.4	624.1	617.4	620.8	619.0	621.5	632.5	632.5	639.4	640.1	641.0
25°	590.2	603.0	596.2	600.4	598.8	600.4	610.6	611.4	617.4	617.4	619.0
27.5°	564.9	577.6	570.9	574.2	573.4	574.2	585.2	586.9	590.2	591.1	592.8
30°	534.5	546.2	539.5	542.9	542.9	542.9	553.9	554.8	558.1	559.0	560.6
32.5°	499.0	509.1	504.0	507.4	506.5	508.2	515.9	519.2	523.5	522.6	523.5
35°	458.4	469.4	464.2	466.8	467.6	470.2	475.2	479.5	480.4	481.1	482.9
37.5°	414.4	425.4	420.2	422.9	423.6	428.8	430.5	434.6	436.4	436.4	436.4
40°	372.1	377.1	372.9	375.5	376.4	380.5	382.2	385.6	387.4	386.5	385.6
42.5°	326.4	330.6	326.4	329.0	329.0	332.4	333.2	337.4	337.4	335.8	333.2
45°	281.6	285.9	281.6	283.2	283.2	286.6	286.6	286.6	288.4	285.9	281.6
47.5°	239.4	243.5	239.4	241.0	240.1	242.8	241.9	242.8	240.1	238.5	233.4
50°	201.2	203.0	201.2	200.4	201.2	203.0	202.1	202.1	198.8	196.2	190.2
52.5°	164.0	166.6	164.0	164.0	164.0	165.8	165.8	164.9	161.5	158.1	152.2
55°	132.8	134.5	133.6	132.8	132.8	134.5	132.8	132.8	129.4	126.9	120.9
57.5°	105.8	106.5	105.8	105.8	105.8	106.5	106.5	104.9	102.4	99.8	95.5
60°	82.0	82.9	82.9	82.0	82.0	83.8	83.8	82.9	80.4	78.6	74.4
62.5°	65.1	65.1	65.1	65.1	65.1	66.0	66.0	66.0	64.2	62.6	59.2
65°	51.6	52.4	51.6	51.6	52.4	53.2	52.4	53.2	51.6	50.8	48.2
67.5°	39.8	40.6	39.8	40.6	40.6	41.4	40.6	41.4	39.8	38.9	37.2
70°	30.5	30.5	30.5	30.5	30.5	31.2	30.5	31.2	30.5	29.6	27.9
72.5°	22.9	22.9	23.6	23.6	22.9	23.6	22.9	22.9	22.9	22.0	21.1
75°	16.9	16.9	17.8	16.9	16.9	16.9	16.9	16.9	16.1	16.1	15.2
77.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.0	11.0	10.1
80°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.8	6.8
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.2	4.2
85°	2.5	2.5	2.5	3.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
2.5°	715.4	718.0	718.0	715.4	721.4	716.2	726.4	717.1	719.6	728.1	727.2
5°	712.9	716.2	717.1	715.4	723.0	718.9	729.0	719.6	723.9	732.4	732.4
7.5°	709.5	713.8	715.4	717.1	723.9	719.6	731.5	722.2	728.1	738.2	737.4
10°	701.9	707.9	711.2	713.8	720.5	718.0	730.6	723.0	728.1	740.0	739.1
12.5°	697.6	704.4	709.5	713.8	721.4	719.6	732.4	725.6	732.4	744.1	744.1
15°	694.2	701.9	707.9	715.4	723.0	721.4	734.9	729.0	735.8	750.1	749.2
17.5°	685.9	695.1	701.0	709.5	717.1	716.2	730.6	726.4	734.0	747.6	748.4
20°	671.5	679.9	686.6	696.9	705.2	703.6	718.9	714.6	722.2	736.6	737.4
22.5°	652.9	661.2	668.1	679.1	686.6	685.9	701.0	696.9	704.4	718.0	718.9
25°	630.9	638.5	645.2	655.4	663.9	663.9	677.4	673.1	681.6	695.1	695.1
27.5°	603.8	610.6	616.5	628.4	635.1	635.1	647.8	643.5	652.0	663.9	663.0
30°	570.9	576.8	581.9	592.0	597.9	598.8	609.8	605.5	614.0	624.1	624.1
32.5°	531.1	537.0	540.4	553.1	557.2	556.5	564.9	560.6	569.1	580.1	577.6
35°	488.8	491.4	493.9	506.5	508.2	504.9	513.4	509.1	515.0	526.0	524.2
37.5°	440.6	441.4	441.4	452.4	453.2	450.8	455.8	450.8	455.0	465.1	464.2
40°	387.4	386.5	385.6	394.1	393.2	388.1	391.5	387.4	393.2	400.9	396.6
42.5°	333.2	330.6	327.2	331.5	328.1	323.9	325.6	318.9	323.0	329.0	323.9
45°	279.9	274.9	268.1	268.9	264.8	259.6	257.1	250.4	249.5	255.4	251.1
47.5°	230.0	219.9	214.0	210.6	203.8	199.6	194.5	186.9	183.5	186.9	182.6
50°	185.2	175.0	167.5	159.9	153.1	148.0	139.5	134.5	129.4	130.2	126.9
52.5°	146.2	139.5	126.9	120.9	114.1	108.2	100.6	94.8	88.8	88.8	85.4
55°	115.9	106.5	98.1	89.6	82.9	77.8	70.2	64.2	58.4	57.5	54.1
57.5°	89.6	82.9	73.6	65.1	60.9	55.9	48.2	41.4	38.0	35.5	33.0
60°	69.4	62.6	55.0	48.2	43.1	39.8	32.1	27.0	23.6	22.0	19.5
62.5°	55.9	49.9	43.1	36.4	33.0	29.6	23.6	19.5	16.1	14.4	12.6
65°	44.9	39.8	34.6	29.6	27.0	23.6	19.5	16.1	13.5	11.9	10.1
67.5°	34.6	31.2	27.0	23.6	21.1	18.6	15.2	12.6	11.0	9.2	8.5
70°	26.2	23.6	21.1	17.8	16.1	14.4	11.9	9.2	8.5	7.6	6.8
72.5°	20.2	17.8	15.2	13.5	11.9	11.0	9.2	7.6	6.8	5.9	5.1
75°	13.5	12.6	11.0	9.2	8.5	7.6	6.8	5.9	5.1	4.2	4.2
77.5°	9.2	8.5	7.6	6.8	5.9	5.9	5.1	4.2	3.4	3.4	2.5
80°	5.9	5.1	5.1	4.2	4.2	4.2	3.4	2.5	2.5	2.5	1.8
82.5°	4.2	3.4	3.4	2.5	2.5	2.5	2.5	1.8	1.8	1.8	0.9
85°	2.5	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°	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
2.5°	720.5	728.1	728.1	734.9	735.8	734.0	726.4	726.4	736.6	742.5	732.4
5°	727.2	734.9	734.9	741.6	745.0	742.5	734.9	735.8	745.9	752.6	742.5
7.5°	733.2	740.8	742.5	750.1	752.6	750.1	742.5	744.1	755.1	761.1	751.0
10°	735.8	743.4	744.1	752.6	756.0	752.6	746.8	747.6	759.4	763.6	754.4
12.5°	741.6	749.2	749.2	758.5	762.0	759.4	751.8	753.5	765.4	769.5	760.2
15°	747.6	755.1	755.1	765.4	769.5	766.1	760.2	761.1	772.9	777.1	769.5
17.5°	747.6	754.4	754.4	765.4	769.5	767.0	760.2	761.1	773.8	777.1	769.5
20°	736.6	744.1	742.5	753.5	757.8	755.1	749.2	749.2	762.0	765.4	757.8
22.5°	718.9	725.6	723.9	734.0	739.1	735.8	730.6	729.8	742.5	745.9	738.2
25°	694.2	701.0	699.4	709.5	714.6	710.4	704.4	705.2	715.4	720.5	713.8
27.5°	665.5	669.8	667.2	677.4	682.5	678.2	672.2	673.1	683.2	686.6	681.6
30°	626.6	630.0	627.5	636.0	639.4	636.8	631.8	631.8	641.0	645.2	640.1
32.5°	580.1	582.6	580.1	586.9	593.6	588.6	583.5	583.5	593.6	597.0	591.1
35°	526.0	528.5	526.9	533.6	538.6	531.9	527.8	526.0	539.5	537.9	534.5
37.5°	466.0	467.6	462.6	474.4	477.0	469.4	466.0	464.2	476.1	475.2	471.9
40°	398.2	400.0	396.6	405.1	405.9	400.0	397.5	394.9	406.8	405.9	403.4
42.5°	326.4	327.2	323.0	329.8	331.5	325.6	324.8	321.4	332.4	330.6	329.8
45°	252.0	252.0	248.6	253.8	255.4	250.4	248.6	247.8	255.4	255.4	253.8
47.5°	182.6	180.1	175.9	183.5	184.4	181.0	180.1	177.6	185.2	185.2	183.5
50°	125.1	124.2	123.5	125.1	126.0	121.8	124.2	121.8	126.0	126.0	126.0
52.5°	83.8	82.9	81.1	82.9	82.9	80.4	80.4	79.5	82.9	82.9	81.1
55°	52.4	51.6	50.8	51.6	51.6	49.0	50.8	49.0	50.8	50.8	49.9
57.5°	32.1	30.5	30.5	29.6	29.6	27.9	28.8	28.8	28.8	28.8	28.8
60°	18.6	17.8	16.9	16.9	16.9	16.1	16.1	16.1	16.1	16.1	16.1
62.5°	11.9	11.9	11.0	11.0	11.0	11.0	11.0	10.1	11.0	11.0	11.0
65°	10.1	9.2	9.2	9.2	9.2	8.5	8.5	8.5	8.5	8.5	8.5
67.5°	8.5	7.6	7.6	7.6	7.6	6.8	6.8	6.8	6.8	6.8	6.8
70°	6.8	5.9	5.9	5.9	5.9	5.9	5.1	5.9	5.9	5.1	5.1
72.5°	5.1	5.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	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°	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
2.5°	744.1	735.8	731.5	740.0	743.4	739.1	735.8	729.8	735.8	739.1	743.4
5°	754.4	746.8	743.4	749.2	754.4	750.1	747.6	741.6	747.6	750.1	754.4
7.5°	763.6	756.0	751.8	757.8	763.6	757.8	755.1	750.1	755.1	757.8	763.6
10°	767.0	758.5	755.1	760.2	766.1	760.2	756.9	753.5	756.9	760.2	766.1
12.5°	772.9	764.5	760.2	764.5	770.4	764.5	761.1	758.5	761.1	764.5	770.4
15°	781.4	773.8	768.8	772.9	780.5	773.8	769.5	768.8	769.5	773.8	780.5
17.5°	781.4	775.5	770.4	773.8	781.4	776.4	770.4	772.1	770.4	776.4	781.4
20°	770.4	764.5	760.2	760.2	771.2	764.5	759.4	762.0	759.4	764.5	771.2
22.5°	751.0	745.9	741.6	740.8	751.8	745.9	739.1	744.1	739.1	745.9	751.8
25°	725.6	720.5	717.1	715.4	726.4	719.6	713.8	718.9	713.8	719.6	726.4
27.5°	692.6	688.4	685.0	682.5	692.6	686.6	680.8	685.9	680.8	686.6	692.6
30°	650.4	647.8	644.4	641.0	651.1	645.2	639.4	646.1	639.4	645.2	651.1
32.5°	601.2	599.6	595.4	592.0	602.1	595.4	591.1	596.2	591.1	595.4	602.1
35°	544.6	542.1	539.5	533.6	544.6	538.6	538.6	540.4	538.6	538.6	544.6
37.5°	481.1	479.5	476.1	471.0	480.4	476.1	474.4	479.5	474.4	476.1	480.4
40°	410.1	409.2	406.8	400.9	411.0	406.8	404.2	411.0	404.2	406.8	411.0
42.5°	335.8	334.0	331.5	330.6	335.8	332.4	334.9	334.9	334.9	332.4	335.8
45°	258.8	257.1	255.4	252.0	257.9	256.2	255.4	257.1	255.4	256.2	257.9
47.5°	187.8	186.0	184.4	181.9	187.8	185.2	185.2	186.9	185.2	185.2	187.8
50°	126.0	126.9	126.0	124.2	126.0	125.1	126.0	127.8	126.0	125.1	126.0
52.5°	83.8	83.8	82.0	81.1	82.9	82.0	84.6	82.9	84.6	82.0	82.9
55°	50.8	51.6	50.8	49.9	50.8	49.9	52.4	51.6	52.4	49.9	50.8
57.5°	28.8	28.8	29.6	28.8	30.5	29.6	29.6	29.6	29.6	29.6	30.5
60°	16.1	16.1	16.1	16.1	16.1	16.1	16.9	16.1	16.9	16.1	16.1
62.5°	11.0	11.0	11.0	10.1	11.0	10.1	11.0	11.0	11.0	10.1	11.0
65°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
67.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
70°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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



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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
2.5°	740.0	731.5	735.8	744.1	732.4	742.5	736.6	726.4	726.4	734.0	735.8
5°	749.2	743.4	746.8	754.4	742.5	752.6	745.9	735.8	734.9	742.5	745.0
7.5°	757.8	751.8	756.0	763.6	751.0	761.1	755.1	744.1	742.5	750.1	752.6
10°	760.2	755.1	758.5	767.0	754.4	763.6	759.4	747.6	746.8	752.6	756.0
12.5°	764.5	760.2	764.5	772.9	760.2	769.5	765.4	753.5	751.8	759.4	762.0
15°	772.9	768.8	773.8	781.4	769.5	777.1	772.9	761.1	760.2	766.1	769.5
17.5°	773.8	770.4	775.5	781.4	769.5	777.1	773.8	761.1	760.2	767.0	769.5
20°	760.2	760.2	764.5	770.4	757.8	765.4	762.0	749.2	749.2	755.1	757.8
22.5°	740.8	741.6	745.9	751.0	738.2	745.9	742.5	729.8	730.6	735.8	739.1
25°	715.4	717.1	720.5	725.6	713.8	720.5	715.4	705.2	704.4	710.4	714.6
27.5°	682.5	685.0	688.4	692.6	681.6	686.6	683.2	673.1	672.2	678.2	682.5
30°	641.0	644.4	647.8	650.4	640.1	645.2	641.0	631.8	631.8	636.8	639.4
32.5°	592.0	595.4	599.6	601.2	591.1	597.0	593.6	583.5	583.5	588.6	593.6
35°	533.6	539.5	542.1	544.6	534.5	537.9	539.5	526.0	527.8	531.9	538.6
37.5°	471.0	476.1	479.5	481.1	471.9	475.2	476.1	464.2	466.0	469.4	477.0
40°	400.9	406.8	409.2	410.1	403.4	405.9	406.8	394.9	397.5	400.0	405.9
42.5°	330.6	331.5	334.0	335.8	329.8	330.6	332.4	321.4	324.8	325.6	331.5
45°	252.0	255.4	257.1	258.8	253.8	255.4	255.4	247.8	248.6	250.4	255.4
47.5°	181.9	184.4	186.0	187.8	183.5	185.2	185.2	177.6	180.1	181.0	184.4
50°	124.2	126.0	126.9	126.0	126.0	126.0	126.0	121.8	124.2	121.8	126.0
52.5°	81.1	82.0	83.8	83.8	81.1	82.9	82.9	79.5	80.4	80.4	82.9
55°	49.9	50.8	51.6	50.8	49.9	50.8	50.8	49.0	50.8	49.0	51.6
57.5°	28.8	29.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	27.9	29.6
60°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.9
62.5°	10.1	11.0	11.0	11.0	11.0	11.0	11.0	10.1	11.0	11.0	11.0
65°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.2
67.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.6
70°	5.1	5.1	5.1	5.1	5.1	5.1	5.9	5.9	5.1	5.9	5.9
72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.4
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°	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
2.5°	734.9	728.1	728.1	720.5	727.2	728.1	719.6	717.1	726.4	716.2	721.4
5°	741.6	734.9	734.9	727.2	732.4	732.4	723.9	719.6	729.0	718.9	723.0
7.5°	750.1	742.5	740.8	733.2	737.4	738.2	728.1	722.2	731.5	719.6	723.9
10°	752.6	744.1	743.4	735.8	739.1	740.0	728.1	723.0	730.6	718.0	720.5
12.5°	758.5	749.2	749.2	741.6	744.1	744.1	732.4	725.6	732.4	719.6	721.4
15°	765.4	755.1	755.1	747.6	749.2	750.1	735.8	729.0	734.9	721.4	723.0
17.5°	765.4	754.4	754.4	747.6	748.4	747.6	734.0	726.4	730.6	716.2	717.1
20°	753.5	742.5	744.1	736.6	737.4	736.6	722.2	714.6	718.9	703.6	705.2
22.5°	734.0	723.9	725.6	718.9	718.9	718.0	704.4	696.9	701.0	685.9	686.6
25°	709.5	699.4	701.0	694.2	695.1	695.1	681.6	673.1	677.4	663.9	663.9
27.5°	677.4	667.2	669.8	665.5	663.0	663.9	652.0	643.5	647.8	635.1	635.1
30°	636.0	627.5	630.0	626.6	624.1	624.1	614.0	605.5	609.8	598.8	597.9
32.5°	586.9	580.1	582.6	580.1	577.6	580.1	569.1	560.6	564.9	556.5	557.2
35°	533.6	526.9	528.5	526.0	524.2	526.0	515.0	509.1	513.4	504.9	508.2
37.5°	474.4	462.6	467.6	466.0	464.2	465.1	455.0	450.8	455.8	450.8	453.2
40°	405.1	396.6	400.0	398.2	396.6	400.9	393.2	387.4	391.5	388.1	393.2
42.5°	329.8	323.0	327.2	326.4	323.9	329.0	323.0	318.9	325.6	323.9	328.1
45°	253.8	248.6	252.0	252.0	251.1	255.4	249.5	250.4	257.1	259.6	264.8
47.5°	183.5	175.9	180.1	182.6	182.6	186.9	183.5	186.9	194.5	199.6	203.8
50°	125.1	123.5	124.2	125.1	126.9	130.2	129.4	134.5	139.5	148.0	153.1
52.5°	82.9	81.1	82.9	83.8	85.4	88.8	88.8	94.8	100.6	108.2	114.1
55°	51.6	50.8	51.6	52.4	54.1	57.5	58.4	64.2	70.2	77.8	82.9
57.5°	29.6	30.5	30.5	32.1	33.0	35.5	38.0	41.4	48.2	55.9	60.9
60°	16.9	16.9	17.8	18.6	19.5	22.0	23.6	27.0	32.1	39.8	43.1
62.5°	11.0	11.0	11.9	11.9	12.6	14.4	16.1	19.5	23.6	29.6	33.0
65°	9.2	9.2	9.2	10.1	10.1	11.9	13.5	16.1	19.5	23.6	27.0
67.5°	7.6	7.6	7.6	8.5	8.5	9.2	11.0	12.6	15.2	18.6	21.1
70°	5.9	5.9	5.9	6.8	6.8	7.6	8.5	9.2	11.9	14.4	16.1
72.5°	4.2	4.2	5.1	5.1	5.1	5.9	6.8	7.6	9.2	11.0	11.9
75°	3.4	3.4	3.4	3.4	4.2	4.2	5.1	5.9	6.8	7.6	8.5
77.5°	1.8	1.8	2.5	2.5	2.5	3.4	3.4	4.2	5.1	5.9	5.9
80°	1.8	1.8	1.8	1.8	1.8	2.5	2.5	2.5	3.4	4.2	4.2
82.5°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.5	2.5	2.5
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: P212770

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
2.5°	715.4	718.0	718.0	715.4	708.6	714.6	720.5	714.6	722.2	708.6	708.6
5°	715.4	717.1	716.2	712.9	706.1	711.2	715.4	709.5	715.4	702.8	701.9
7.5°	717.1	715.4	713.8	709.5	701.0	704.4	708.6	701.9	707.9	694.2	692.6
10°	713.8	711.2	707.9	701.9	692.6	695.1	697.6	691.8	696.0	682.5	681.6
12.5°	713.8	709.5	704.4	697.6	687.5	689.2	691.8	684.1	687.5	674.9	673.1
15°	715.4	707.9	701.9	694.2	683.2	684.1	685.9	677.4	680.8	667.2	666.4
17.5°	709.5	701.0	695.1	685.9	674.0	674.9	674.9	666.4	668.9	655.4	654.5
20°	696.9	686.6	679.9	671.5	658.8	658.8	658.8	650.4	652.0	640.1	638.5
22.5°	679.1	668.1	661.2	652.9	641.0	640.1	639.4	632.5	632.5	621.5	619.0
25°	655.4	645.2	638.5	630.9	619.0	617.4	617.4	611.4	610.6	600.4	598.8
27.5°	628.4	616.5	610.6	603.8	592.8	591.1	590.2	586.9	585.2	574.2	573.4
30°	592.0	581.9	576.8	570.9	560.6	559.0	558.1	554.8	553.9	542.9	542.9
32.5°	553.1	540.4	537.0	531.1	523.5	522.6	523.5	519.2	515.9	508.2	506.5
35°	506.5	493.9	491.4	488.8	482.9	481.1	480.4	479.5	475.2	470.2	467.6
37.5°	452.4	441.4	441.4	440.6	436.4	436.4	436.4	434.6	430.5	428.8	423.6
40°	394.1	385.6	386.5	387.4	385.6	386.5	387.4	385.6	382.2	380.5	376.4
42.5°	331.5	327.2	330.6	333.2	333.2	335.8	337.4	337.4	333.2	332.4	329.0
45°	268.9	268.1	274.9	279.9	281.6	285.9	288.4	286.6	286.6	286.6	283.2
47.5°	210.6	214.0	219.9	230.0	233.4	238.5	240.1	242.8	241.9	242.8	240.1
50°	159.9	167.5	175.0	185.2	190.2	196.2	198.8	202.1	202.1	203.0	201.2
52.5°	120.9	126.9	139.5	146.2	152.2	158.1	161.5	164.9	165.8	165.8	164.0
55°	89.6	98.1	106.5	115.9	120.9	126.9	129.4	132.8	132.8	134.5	132.8
57.5°	65.1	73.6	82.9	89.6	95.5	99.8	102.4	104.9	106.5	106.5	105.8
60°	48.2	55.0	62.6	69.4	74.4	78.6	80.4	82.9	83.8	83.8	82.0
62.5°	36.4	43.1	49.9	55.9	59.2	62.6	64.2	66.0	66.0	66.0	65.1
65°	29.6	34.6	39.8	44.9	48.2	50.8	51.6	53.2	52.4	53.2	52.4
67.5°	23.6	27.0	31.2	34.6	37.2	38.9	39.8	41.4	40.6	41.4	40.6
70°	17.8	21.1	23.6	26.2	27.9	29.6	30.5	31.2	30.5	31.2	30.5
72.5°	13.5	15.2	17.8	20.2	21.1	22.0	22.9	22.9	22.9	23.6	22.9
75°	9.2	11.0	12.6	13.5	15.2	16.1	16.1	16.9	16.9	16.9	16.9
77.5°	6.8	7.6	8.5	9.2	10.1	11.0	11.0	11.9	11.9	11.9	11.9
80°	4.2	5.1	5.1	5.9	6.8	6.8	7.6	7.6	7.6	7.6	7.6
82.5°	2.5	3.4	3.4	4.2	4.2	4.2	5.1	5.1	5.1	5.1	5.1
85°	1.8	1.8	1.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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: P212770

CATALOG NUMBER: LE_6B10D010 EC6B10208027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	726.4	726.4	726.4	726.4
2.5°	715.4	711.2	718.0	707.9
5°	707.9	703.6	712.0	699.4
7.5°	698.5	694.2	701.9	689.2
10°	686.6	682.5	689.2	675.6
12.5°	676.5	672.2	679.9	667.2
15°	668.9	664.8	671.5	659.6
17.5°	657.1	652.0	659.6	646.9
20°	640.1	636.8	642.8	630.0
22.5°	620.8	617.4	624.1	611.4
25°	600.4	596.2	603.0	590.2
27.5°	574.2	570.9	577.6	564.9
30°	542.9	539.5	546.2	534.5
32.5°	507.4	504.0	509.1	499.0
35°	466.8	464.2	469.4	458.4
37.5°	422.9	420.2	425.4	414.4
40°	375.5	372.9	377.1	372.1
42.5°	329.0	326.4	330.6	326.4
45°	283.2	281.6	285.9	281.6
47.5°	241.0	239.4	243.5	239.4
50°	200.4	201.2	203.0	201.2
52.5°	164.0	164.0	166.6	164.0
55°	132.8	133.6	134.5	132.8
57.5°	105.8	105.8	106.5	105.8
60°	82.0	82.9	82.9	82.0
62.5°	65.1	65.1	65.1	65.1
65°	51.6	51.6	52.4	51.6
67.5°	40.6	39.8	40.6	39.8
70°	30.5	30.5	30.5	30.5
72.5°	23.6	23.6	22.9	22.9
75°	16.9	17.8	16.9	16.9
77.5°	11.9	11.9	11.9	11.9
80°	7.6	7.6	7.6	7.6
82.5°	5.1	5.1	5.1	5.1
85°	3.4	2.5	2.5	2.5
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)