

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: io LED

Report Number: P212783

Luminaire Tested: **LD6B15D010 EU6B10208027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212783
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: io LED
Catalog Number: LD6B15D010 EU6B10208027 6LBSWLI1
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: 1340.5 lumens
Efficiency: N/A
Efficacy: 93.2 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

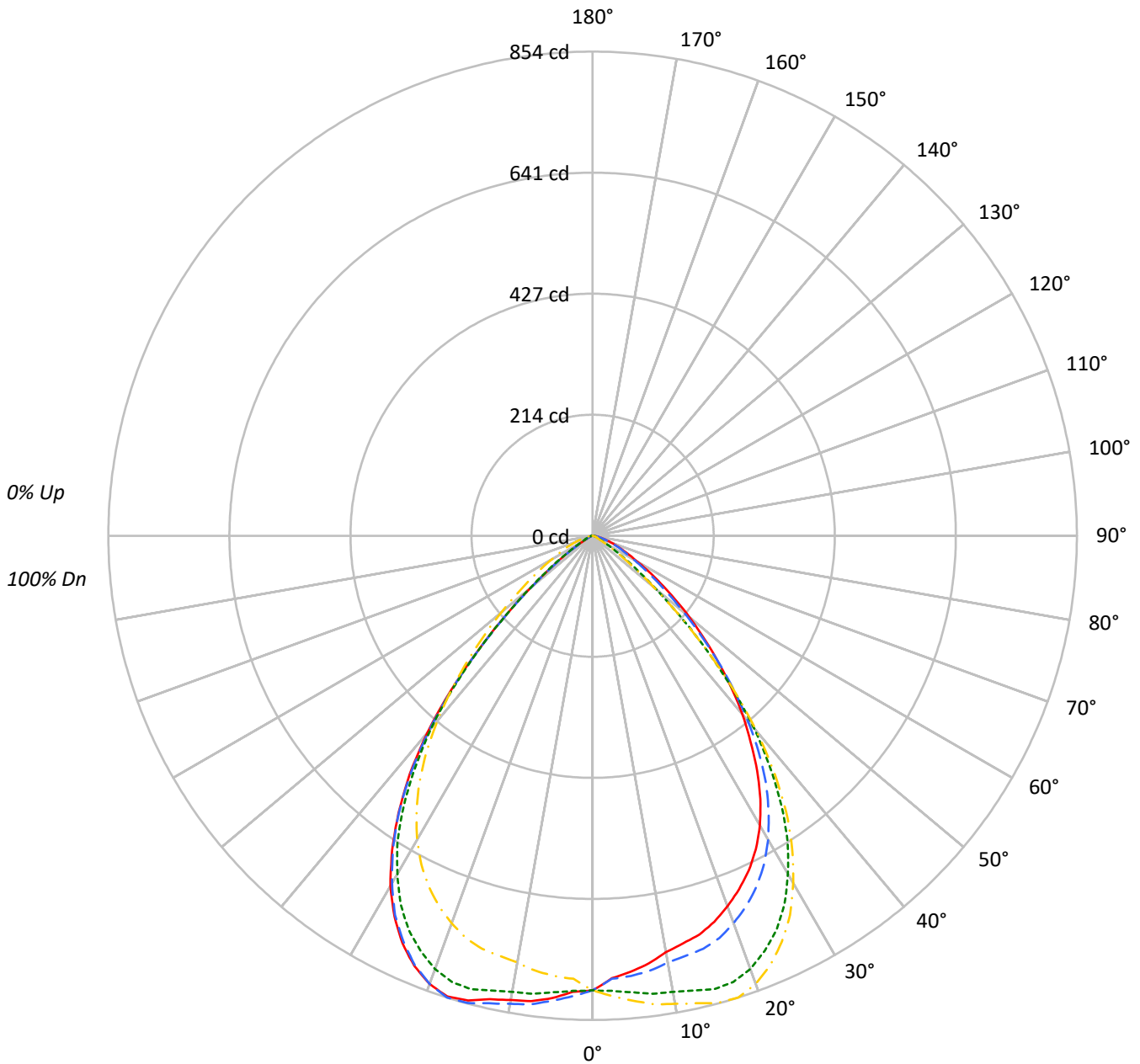
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	99	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°	43955	43955	43955	43955
5°	42477	44480	45047	44480
10°	41510	45462	46292	45462
15°	41317	46987	48150	46987
20°	40563	47429	49063	47429
25°	39408	46406	47991	46406
30°	37341	43602	45140	43602
35°	33856	38849	39913	38849
40°	29391	31659	32461	31659
45°	24096	21855	21995	21855
50°	18942	12255	12017	12255
55°	14002	6069	5438	6069
60°	9922	2664	1941	2664
65°	7381	1699	1206	1699
70°	5386	1346	898	1346
75°	3961	996	593	996
80°	2652	884	284	884
85°	1761	566	566	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	5.7
10°-20°	227.3	17.0
20°-30°	339.2	25.3
30°-40°	348.5	26.0
40°-50°	225.7	16.8
50°-60°	83.9	6.3
60°-70°	27.5	2.1
70°-80°	9.7	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°	643.3	48.0
0°-40°	991.8	74.0
0°-60°	1301.5	97.1
0°-90°	1340.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1340.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	802	802	802	802	802	
5°	772	808	819	808	772	73
15°	728	828	848	828	728	205
25°	652	767	793	767	652	299
35°	506	580	596	580	506	314
45°	311	282	284	282	311	240
55°	146	64	57	64	146	134
65°	57	13	9	13	57	58
75°	19	5	3	5	19	21
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°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	781.2	792.4	785.0	789.6	782.2	782.2	797.1	788.7	795.2	788.7	782.2
5°	771.9	785.9	776.6	781.2	774.7	775.6	789.6	783.1	789.6	785.0	779.4
7.5°	760.7	774.7	766.3	771.0	764.4	766.3	781.2	774.7	782.2	777.5	773.8
10°	745.7	760.7	753.2	757.9	752.3	753.2	768.2	763.5	770.0	767.2	764.4
12.5°	736.4	750.4	742.0	746.7	742.9	744.8	758.8	755.1	763.5	760.7	758.8
15°	728.0	741.1	733.6	738.3	735.5	736.4	751.4	747.6	757.0	755.1	754.2
17.5°	714.0	728.0	719.6	725.2	722.4	723.3	738.3	735.5	744.8	744.8	743.9
20°	695.3	709.3	702.8	706.5	704.7	706.5	719.6	717.7	727.1	727.1	727.1
22.5°	674.8	688.8	681.3	685.1	683.2	686.0	698.1	698.1	705.6	706.5	707.5
25°	651.5	665.5	658.0	662.7	660.8	662.7	673.9	674.8	681.3	681.3	683.2
27.5°	623.5	637.5	630.0	633.7	632.8	633.7	645.9	647.7	651.5	652.4	654.3
30°	589.9	602.9	595.5	599.2	599.2	599.2	611.3	612.3	616.0	616.9	618.8
32.5°	550.7	561.9	556.3	560.0	559.1	560.9	569.3	573.1	577.7	576.8	577.7
35°	505.9	518.0	512.4	515.2	516.1	518.9	524.5	529.2	530.1	531.1	532.9
37.5°	457.3	469.5	463.9	466.7	467.6	473.2	475.1	479.7	481.6	481.6	481.6
40°	410.7	416.3	411.6	414.4	415.3	420.0	421.9	425.6	427.5	426.5	425.6
42.5°	360.3	364.9	360.3	363.1	363.1	366.8	367.7	372.4	372.4	370.5	367.7
45°	310.8	315.5	310.8	312.7	312.7	316.4	316.4	316.4	318.3	315.5	310.8
47.5°	264.1	268.8	264.1	266.0	265.1	267.9	266.9	267.9	265.1	263.2	257.6
50°	222.1	224.0	222.1	221.2	222.1	224.0	223.1	223.1	219.3	216.5	210.0
52.5°	181.1	183.9	181.1	181.1	181.1	182.9	182.9	182.0	178.3	174.5	168.0
55°	146.5	148.4	147.5	146.5	146.5	148.4	146.5	146.5	142.8	140.0	133.5
57.5°	116.7	117.6	116.7	116.7	116.7	117.6	117.6	115.7	112.9	110.1	105.5
60°	90.5	91.5	91.5	90.5	90.5	92.4	92.4	91.5	88.7	86.8	82.1
62.5°	71.9	71.9	71.9	71.9	71.9	72.8	72.8	72.8	70.9	69.1	65.3
65°	56.9	57.9	56.9	56.9	57.9	58.8	57.9	58.8	56.9	56.0	53.2
67.5°	43.9	44.8	43.9	44.8	44.8	45.7	44.8	45.7	43.9	42.9	41.1
70°	33.6	33.6	33.6	33.6	33.6	34.5	33.6	34.5	33.6	32.7	30.8
72.5°	25.2	25.2	26.1	26.1	25.2	26.1	25.2	25.2	25.2	24.3	23.3
75°	18.7	18.7	19.6	18.7	18.7	18.7	18.7	18.7	17.7	17.7	16.8
77.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.1	12.1	11.2
80°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.5	7.5
82.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	4.7	4.7
85°	2.8	2.8	2.8	3.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	0.9	0.9	0.9	1.9	0.9	0.9	1.9	1.9	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	789.6	792.4	792.4	789.6	796.2	790.6	801.8	791.5	794.3	803.6	802.7
5°	786.8	790.6	791.5	789.6	798.0	793.4	804.6	794.3	799.0	808.3	808.3
7.5°	783.1	787.8	789.6	791.5	799.0	794.3	807.4	797.1	803.6	814.8	813.9
10°	774.7	781.2	785.0	787.8	795.2	792.4	806.4	798.0	803.6	816.7	815.8
12.5°	770.0	777.5	783.1	787.8	796.2	794.3	808.3	800.8	808.3	821.4	821.4
15°	766.3	774.7	781.2	789.6	798.0	796.2	811.1	804.6	812.0	827.9	827.0
17.5°	757.0	767.2	773.8	783.1	791.5	790.6	806.4	801.8	810.2	825.1	826.0
20°	741.1	750.4	757.9	769.1	778.4	776.6	793.4	788.7	797.1	813.0	813.9
22.5°	720.5	729.9	737.3	749.5	757.9	757.0	773.8	769.1	777.5	792.4	793.4
25°	696.3	704.7	712.1	723.3	732.7	732.7	747.6	742.9	752.3	767.2	767.2
27.5°	666.4	673.9	680.4	693.5	700.9	700.9	714.9	710.3	719.6	732.7	731.7
30°	630.0	636.5	642.1	653.3	659.9	660.8	672.9	668.3	677.6	688.8	688.8
32.5°	586.1	592.7	596.4	610.4	615.1	614.1	623.5	618.8	628.1	640.3	637.5
35°	539.5	542.3	545.1	559.1	560.9	557.2	566.5	561.9	568.4	580.5	578.7
37.5°	486.3	487.2	487.2	499.3	500.3	497.5	503.1	497.5	502.1	513.3	512.4
40°	427.5	426.5	425.6	434.9	434.0	428.4	432.1	427.5	434.0	442.4	437.7
42.5°	367.7	364.9	361.2	365.9	362.1	357.5	359.3	351.9	356.5	363.1	357.5
45°	308.9	303.3	295.9	296.8	292.1	286.5	283.7	276.3	275.3	281.9	277.2
47.5°	253.9	242.7	236.1	232.4	224.9	220.3	214.7	206.3	202.5	206.3	201.6
50°	204.4	193.2	184.8	176.4	168.9	163.3	154.0	148.4	142.8	143.7	140.0
52.5°	161.5	154.0	140.0	133.5	126.0	119.5	111.1	104.5	98.0	98.0	94.3
55°	127.9	117.6	108.3	98.9	91.5	85.9	77.5	70.9	64.4	63.5	59.7
57.5°	98.9	91.5	81.2	71.9	67.2	61.6	53.2	45.7	42.0	39.2	36.4
60°	76.5	69.1	60.7	53.2	47.6	43.9	35.5	29.9	26.1	24.3	21.5
62.5°	61.6	55.1	47.6	40.1	36.4	32.7	26.1	21.5	17.7	15.9	14.0
65°	49.5	43.9	38.3	32.7	29.9	26.1	21.5	17.7	14.9	13.1	11.2
67.5°	38.3	34.5	29.9	26.1	23.3	20.5	16.8	14.0	12.1	10.3	9.3
70°	28.9	26.1	23.3	19.6	17.7	15.9	13.1	10.3	9.3	8.4	7.5
72.5°	22.4	19.6	16.8	14.9	13.1	12.1	10.3	8.4	7.5	6.5	5.6
75°	14.9	14.0	12.1	10.3	9.3	8.4	7.5	6.5	5.6	4.7	4.7
77.5°	10.3	9.3	8.4	7.5	6.5	6.5	5.6	4.7	3.7	3.7	2.8
80°	6.5	5.6	5.6	4.7	4.7	4.7	3.7	2.8	2.8	2.8	1.9
82.5°	4.7	3.7	3.7	2.8	2.8	2.8	2.8	1.9	1.9	1.9	0.9
85°	2.8	1.9	1.9	1.9	1.9	1.9	1.9	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°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	795.2	803.6	803.6	811.1	812.0	810.2	801.8	801.8	813.0	819.5	808.3
5°	802.7	811.1	811.1	818.6	822.3	819.5	811.1	812.0	823.2	830.7	819.5
7.5°	809.2	817.6	819.5	827.9	830.7	827.9	819.5	821.4	833.5	840.0	828.8
10°	812.0	820.4	821.4	830.7	834.4	830.7	824.2	825.1	838.2	842.8	832.6
12.5°	818.6	827.0	827.0	837.2	841.0	838.2	829.8	831.6	844.7	849.4	839.1
15°	825.1	833.5	833.5	844.7	849.4	845.6	839.1	840.0	853.1	857.8	849.4
17.5°	825.1	832.6	832.6	844.7	849.4	846.6	839.1	840.0	854.0	857.8	849.4
20°	813.0	821.4	819.5	831.6	836.3	833.5	827.0	827.0	841.0	844.7	836.3
22.5°	793.4	800.8	799.0	810.2	815.8	812.0	806.4	805.5	819.5	823.2	814.8
25°	766.3	773.8	771.9	783.1	788.7	784.0	777.5	778.4	789.6	795.2	787.8
27.5°	734.5	739.2	736.4	747.6	753.2	748.5	742.0	742.9	754.2	757.9	752.3
30°	691.6	695.3	692.5	701.9	705.6	702.8	697.2	697.2	707.5	712.1	706.5
32.5°	640.3	643.1	640.3	647.7	655.2	649.6	644.0	644.0	655.2	658.9	652.4
35°	580.5	583.3	581.5	588.9	594.5	587.1	582.4	580.5	595.5	593.6	589.9
37.5°	514.3	516.1	510.5	523.6	526.4	518.0	514.3	512.4	525.5	524.5	520.8
40°	439.6	441.5	437.7	447.1	448.0	441.5	438.7	435.9	448.9	448.0	445.2
42.5°	360.3	361.2	356.5	364.0	365.9	359.3	358.4	354.7	366.8	364.9	364.0
45°	278.1	278.1	274.4	280.0	281.9	276.3	274.4	273.5	281.9	281.9	280.0
47.5°	201.6	198.8	194.1	202.5	203.5	199.7	198.8	196.0	204.4	204.4	202.5
50°	138.1	137.2	136.3	138.1	139.1	134.4	137.2	134.4	139.1	139.1	139.1
52.5°	92.4	91.5	89.6	91.5	91.5	88.7	88.7	87.7	91.5	91.5	89.6
55°	57.9	56.9	56.0	56.9	56.9	54.1	56.0	54.1	56.0	56.0	55.1
57.5°	35.5	33.6	33.6	32.7	32.7	30.8	31.7	31.7	31.7	31.7	31.7
60°	20.5	19.6	18.7	18.7	18.7	17.7	17.7	17.7	17.7	17.7	17.7
62.5°	13.1	13.1	12.1	12.1	12.1	12.1	12.1	11.2	12.1	12.1	12.1
65°	11.2	10.3	10.3	10.3	10.3	9.3	9.3	9.3	9.3	9.3	9.3
67.5°	9.3	8.4	8.4	8.4	8.4	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.5	6.5	6.5	6.5	6.5	6.5	5.6	6.5	6.5	5.6	5.6
72.5°	5.6	5.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	3.7	3.7	3.7	3.7	3.7	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	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°	0.9	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°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	821.4	812.0	807.4	816.7	820.4	815.8	812.0	805.5	812.0	815.8	820.4
5°	832.6	824.2	820.4	827.0	832.6	827.9	825.1	818.6	825.1	827.9	832.6
7.5°	842.8	834.4	829.8	836.3	842.8	836.3	833.5	827.9	833.5	836.3	842.8
10°	846.6	837.2	833.5	839.1	845.6	839.1	835.4	831.6	835.4	839.1	845.6
12.5°	853.1	843.8	839.1	843.8	850.3	843.8	840.0	837.2	840.0	843.8	850.3
15°	862.4	854.0	848.4	853.1	861.5	854.0	849.4	848.4	849.4	854.0	861.5
17.5°	862.4	855.9	850.3	854.0	862.4	856.8	850.3	852.2	850.3	856.8	862.4
20°	850.3	843.8	839.1	839.1	851.2	843.8	838.2	841.0	838.2	843.8	851.2
22.5°	828.8	823.2	818.6	817.6	829.8	823.2	815.8	821.4	815.8	823.2	829.8
25°	800.8	795.2	791.5	789.6	801.8	794.3	787.8	793.4	787.8	794.3	801.8
27.5°	764.4	759.8	756.0	753.2	764.4	757.9	751.4	757.0	751.4	757.9	764.4
30°	717.7	714.9	711.2	707.5	718.7	712.1	705.6	713.1	705.6	712.1	718.7
32.5°	663.6	661.7	657.1	653.3	664.5	657.1	652.4	658.0	652.4	657.1	664.5
35°	601.1	598.3	595.5	588.9	601.1	594.5	594.5	596.4	594.5	594.5	601.1
37.5°	531.1	529.2	525.5	519.9	530.1	525.5	523.6	529.2	523.6	525.5	530.1
40°	452.7	451.7	448.9	442.4	453.6	448.9	446.1	453.6	446.1	448.9	453.6
42.5°	370.5	368.7	365.9	364.9	370.5	366.8	369.6	369.6	369.6	366.8	370.5
45°	285.6	283.7	281.9	278.1	284.7	282.8	281.9	283.7	281.9	282.8	284.7
47.5°	207.2	205.3	203.5	200.7	207.2	204.4	204.4	206.3	204.4	204.4	207.2
50°	139.1	140.0	139.1	137.2	139.1	138.1	139.1	140.9	139.1	138.1	139.1
52.5°	92.4	92.4	90.5	89.6	91.5	90.5	93.3	91.5	93.3	90.5	91.5
55°	56.0	56.9	56.0	55.1	56.0	55.1	57.9	56.9	57.9	55.1	56.0
57.5°	31.7	31.7	32.7	31.7	33.6	32.7	32.7	32.7	32.7	32.7	33.6
60°	17.7	17.7	17.7	17.7	17.7	17.7	18.7	17.7	18.7	17.7	17.7
62.5°	12.1	12.1	12.1	11.2	12.1	11.2	12.1	12.1	12.1	11.2	12.1
65°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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: P212783

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	816.7	807.4	812.0	821.4	808.3	819.5	813.0	801.8	801.8	810.2	812.0
5°	827.0	820.4	824.2	832.6	819.5	830.7	823.2	812.0	811.1	819.5	822.3
7.5°	836.3	829.8	834.4	842.8	828.8	840.0	833.5	821.4	819.5	827.9	830.7
10°	839.1	833.5	837.2	846.6	832.6	842.8	838.2	825.1	824.2	830.7	834.4
12.5°	843.8	839.1	843.8	853.1	839.1	849.4	844.7	831.6	829.8	838.2	841.0
15°	853.1	848.4	854.0	862.4	849.4	857.8	853.1	840.0	839.1	845.6	849.4
17.5°	854.0	850.3	855.9	862.4	849.4	857.8	854.0	840.0	839.1	846.6	849.4
20°	839.1	839.1	843.8	850.3	836.3	844.7	841.0	827.0	827.0	833.5	836.3
22.5°	817.6	818.6	823.2	828.8	814.8	823.2	819.5	805.5	806.4	812.0	815.8
25°	789.6	791.5	795.2	800.8	787.8	795.2	789.6	778.4	777.5	784.0	788.7
27.5°	753.2	756.0	759.8	764.4	752.3	757.9	754.2	742.9	742.0	748.5	753.2
30°	707.5	711.2	714.9	717.7	706.5	712.1	707.5	697.2	697.2	702.8	705.6
32.5°	653.3	657.1	661.7	663.6	652.4	658.9	655.2	644.0	644.0	649.6	655.2
35°	588.9	595.5	598.3	601.1	589.9	593.6	595.5	580.5	582.4	587.1	594.5
37.5°	519.9	525.5	529.2	531.1	520.8	524.5	525.5	512.4	514.3	518.0	526.4
40°	442.4	448.9	451.7	452.7	445.2	448.0	448.9	435.9	438.7	441.5	448.0
42.5°	364.9	365.9	368.7	370.5	364.0	364.9	366.8	354.7	358.4	359.3	365.9
45°	278.1	281.9	283.7	285.6	280.0	281.9	281.9	273.5	274.4	276.3	281.9
47.5°	200.7	203.5	205.3	207.2	202.5	204.4	204.4	196.0	198.8	199.7	203.5
50°	137.2	139.1	140.0	139.1	139.1	139.1	139.1	134.4	137.2	134.4	139.1
52.5°	89.6	90.5	92.4	92.4	89.6	91.5	91.5	87.7	88.7	88.7	91.5
55°	55.1	56.0	56.9	56.0	55.1	56.0	56.0	54.1	56.0	54.1	56.9
57.5°	31.7	32.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	30.8	32.7
60°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.7
62.5°	11.2	12.1	12.1	12.1	12.1	12.1	12.1	11.2	12.1	12.1	12.1
65°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	10.3
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.4
70°	5.6	5.6	5.6	5.6	5.6	5.6	6.5	6.5	5.6	6.5	6.5
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.7
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
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	0.9	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°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	811.1	803.6	803.6	795.2	802.7	803.6	794.3	791.5	801.8	790.6	796.2
5°	818.6	811.1	811.1	802.7	808.3	808.3	799.0	794.3	804.6	793.4	798.0
7.5°	827.9	819.5	817.6	809.2	813.9	814.8	803.6	797.1	807.4	794.3	799.0
10°	830.7	821.4	820.4	812.0	815.8	816.7	803.6	798.0	806.4	792.4	795.2
12.5°	837.2	827.0	827.0	818.6	821.4	821.4	808.3	800.8	808.3	794.3	796.2
15°	844.7	833.5	833.5	825.1	827.0	827.9	812.0	804.6	811.1	796.2	798.0
17.5°	844.7	832.6	832.6	825.1	826.0	825.1	810.2	801.8	806.4	790.6	791.5
20°	831.6	819.5	821.4	813.0	813.9	813.0	797.1	788.7	793.4	776.6	778.4
22.5°	810.2	799.0	800.8	793.4	793.4	792.4	777.5	769.1	773.8	757.0	757.9
25°	783.1	771.9	773.8	766.3	767.2	767.2	752.3	742.9	747.6	732.7	732.7
27.5°	747.6	736.4	739.2	734.5	731.7	732.7	719.6	710.3	714.9	700.9	700.9
30°	701.9	692.5	695.3	691.6	688.8	688.8	677.6	668.3	672.9	660.8	659.9
32.5°	647.7	640.3	643.1	640.3	637.5	640.3	628.1	618.8	623.5	614.1	615.1
35°	588.9	581.5	583.3	580.5	578.7	580.5	568.4	561.9	566.5	557.2	560.9
37.5°	523.6	510.5	516.1	514.3	512.4	513.3	502.1	497.5	503.1	497.5	500.3
40°	447.1	437.7	441.5	439.6	437.7	442.4	434.0	427.5	432.1	428.4	434.0
42.5°	364.0	356.5	361.2	360.3	357.5	363.1	356.5	351.9	359.3	357.5	362.1
45°	280.0	274.4	278.1	278.1	277.2	281.9	275.3	276.3	283.7	286.5	292.1
47.5°	202.5	194.1	198.8	201.6	201.6	206.3	202.5	206.3	214.7	220.3	224.9
50°	138.1	136.3	137.2	138.1	140.0	143.7	142.8	148.4	154.0	163.3	168.9
52.5°	91.5	89.6	91.5	92.4	94.3	98.0	98.0	104.5	111.1	119.5	126.0
55°	56.9	56.0	56.9	57.9	59.7	63.5	64.4	70.9	77.5	85.9	91.5
57.5°	32.7	33.6	33.6	35.5	36.4	39.2	42.0	45.7	53.2	61.6	67.2
60°	18.7	18.7	19.6	20.5	21.5	24.3	26.1	29.9	35.5	43.9	47.6
62.5°	12.1	12.1	13.1	13.1	14.0	15.9	17.7	21.5	26.1	32.7	36.4
65°	10.3	10.3	10.3	11.2	11.2	13.1	14.9	17.7	21.5	26.1	29.9
67.5°	8.4	8.4	8.4	9.3	9.3	10.3	12.1	14.0	16.8	20.5	23.3
70°	6.5	6.5	6.5	7.5	7.5	8.4	9.3	10.3	13.1	15.9	17.7
72.5°	4.7	4.7	5.6	5.6	5.6	6.5	7.5	8.4	10.3	12.1	13.1
75°	3.7	3.7	3.7	3.7	4.7	4.7	5.6	6.5	7.5	8.4	9.3
77.5°	1.9	1.9	2.8	2.8	2.8	3.7	3.7	4.7	5.6	6.5	6.5
80°	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	3.7	4.7	4.7
82.5°	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9	2.8	2.8	2.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9
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: P212783

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	789.6	792.4	792.4	789.6	782.2	788.7	795.2	788.7	797.1	782.2	782.2
5°	789.6	791.5	790.6	786.8	779.4	785.0	789.6	783.1	789.6	775.6	774.7
7.5°	791.5	789.6	787.8	783.1	773.8	777.5	782.2	774.7	781.2	766.3	764.4
10°	787.8	785.0	781.2	774.7	764.4	767.2	770.0	763.5	768.2	753.2	752.3
12.5°	787.8	783.1	777.5	770.0	758.8	760.7	763.5	755.1	758.8	744.8	742.9
15°	789.6	781.2	774.7	766.3	754.2	755.1	757.0	747.6	751.4	736.4	735.5
17.5°	783.1	773.8	767.2	757.0	743.9	744.8	744.8	735.5	738.3	723.3	722.4
20°	769.1	757.9	750.4	741.1	727.1	727.1	727.1	717.7	719.6	706.5	704.7
22.5°	749.5	737.3	729.9	720.5	707.5	706.5	705.6	698.1	698.1	686.0	683.2
25°	723.3	712.1	704.7	696.3	683.2	681.3	681.3	674.8	673.9	662.7	660.8
27.5°	693.5	680.4	673.9	666.4	654.3	652.4	651.5	647.7	645.9	633.7	632.8
30°	653.3	642.1	636.5	630.0	618.8	616.9	616.0	612.3	611.3	599.2	599.2
32.5°	610.4	596.4	592.7	586.1	577.7	576.8	577.7	573.1	569.3	560.9	559.1
35°	559.1	545.1	542.3	539.5	532.9	531.1	530.1	529.2	524.5	518.9	516.1
37.5°	499.3	487.2	487.2	486.3	481.6	481.6	481.6	479.7	475.1	473.2	467.6
40°	434.9	425.6	426.5	427.5	425.6	426.5	427.5	425.6	421.9	420.0	415.3
42.5°	365.9	361.2	364.9	367.7	367.7	370.5	372.4	372.4	367.7	366.8	363.1
45°	296.8	295.9	303.3	308.9	310.8	315.5	318.3	316.4	316.4	316.4	312.7
47.5°	232.4	236.1	242.7	253.9	257.6	263.2	265.1	267.9	266.9	267.9	265.1
50°	176.4	184.8	193.2	204.4	210.0	216.5	219.3	223.1	223.1	224.0	222.1
52.5°	133.5	140.0	154.0	161.5	168.0	174.5	178.3	182.0	182.9	182.9	181.1
55°	98.9	108.3	117.6	127.9	133.5	140.0	142.8	146.5	146.5	148.4	146.5
57.5°	71.9	81.2	91.5	98.9	105.5	110.1	112.9	115.7	117.6	117.6	116.7
60°	53.2	60.7	69.1	76.5	82.1	86.8	88.7	91.5	92.4	92.4	90.5
62.5°	40.1	47.6	55.1	61.6	65.3	69.1	70.9	72.8	72.8	72.8	71.9
65°	32.7	38.3	43.9	49.5	53.2	56.0	56.9	58.8	57.9	58.8	57.9
67.5°	26.1	29.9	34.5	38.3	41.1	42.9	43.9	45.7	44.8	45.7	44.8
70°	19.6	23.3	26.1	28.9	30.8	32.7	33.6	34.5	33.6	34.5	33.6
72.5°	14.9	16.8	19.6	22.4	23.3	24.3	25.2	25.2	25.2	26.1	25.2
75°	10.3	12.1	14.0	14.9	16.8	17.7	17.7	18.7	18.7	18.7	18.7
77.5°	7.5	8.4	9.3	10.3	11.2	12.1	12.1	13.1	13.1	13.1	13.1
80°	4.7	5.6	5.6	6.5	7.5	7.5	8.4	8.4	8.4	8.4	8.4
82.5°	2.8	3.7	3.7	4.7	4.7	4.7	5.6	5.6	5.6	5.6	5.6
85°	1.9	1.9	1.9	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	1.9	1.9	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: P212783

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	801.8	801.8	801.8	801.8
2.5°	789.6	785.0	792.4	781.2
5°	781.2	776.6	785.9	771.9
7.5°	771.0	766.3	774.7	760.7
10°	757.9	753.2	760.7	745.7
12.5°	746.7	742.0	750.4	736.4
15°	738.3	733.6	741.1	728.0
17.5°	725.2	719.6	728.0	714.0
20°	706.5	702.8	709.3	695.3
22.5°	685.1	681.3	688.8	674.8
25°	662.7	658.0	665.5	651.5
27.5°	633.7	630.0	637.5	623.5
30°	599.2	595.5	602.9	589.9
32.5°	560.0	556.3	561.9	550.7
35°	515.2	512.4	518.0	505.9
37.5°	466.7	463.9	469.5	457.3
40°	414.4	411.6	416.3	410.7
42.5°	363.1	360.3	364.9	360.3
45°	312.7	310.8	315.5	310.8
47.5°	266.0	264.1	268.8	264.1
50°	221.2	222.1	224.0	222.1
52.5°	181.1	181.1	183.9	181.1
55°	146.5	147.5	148.4	146.5
57.5°	116.7	116.7	117.6	116.7
60°	90.5	91.5	91.5	90.5
62.5°	71.9	71.9	71.9	71.9
65°	56.9	56.9	57.9	56.9
67.5°	44.8	43.9	44.8	43.9
70°	33.6	33.6	33.6	33.6
72.5°	26.1	26.1	25.2	25.2
75°	18.7	19.6	18.7	18.7
77.5°	13.1	13.1	13.1	13.1
80°	8.4	8.4	8.4	8.4
82.5°	5.6	5.6	5.6	5.6
85°	3.7	2.8	2.8	2.8
87.5°	1.9	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)